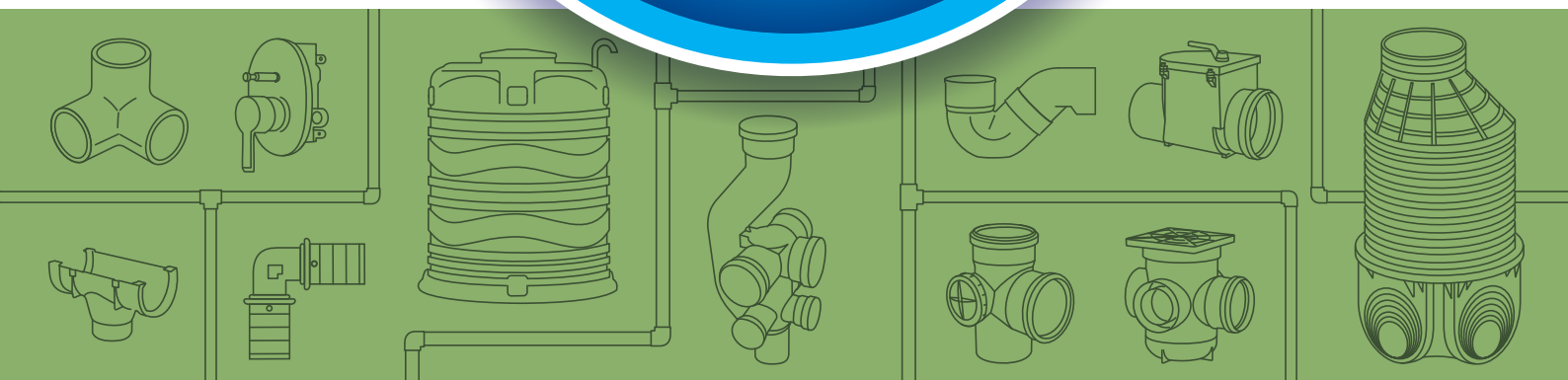


Since 1942
Supreme[®]
People who know plastics best

Total Piping Solution



Product Catalogue
Plastics Piping Systems

Jeevan bhar ka saath...



॥ यत्नं
कुर्यादनुत्तमम् ॥
Striving for matchless efforts

Since 1942
Supreme[®]
People who know plastics best

OVER
9000 PLASTIC
PIPING
PRODUCTS
TO CATER TO ALL YOUR PIPING NEEDS

TREND SETTER in plastic piping

PIONEER in introducing
many path breaking products

Leadership in **INNOVATION** and **TECHNOLOGY**

Un-compromised **QUALITY** standards

SOLUTION PROVIDER in more than 35 piping
application segments

CUSTOMER CENTRIC approach

Winner of **TOP EXPORTER** award
consecutively for many years

DELIVERING VALUES
through 12 advance pipe manufacturing facilities

First of its kind **4 KNOWLEDGE CENTRES**
and different initiatives to impart training
and up-skilling





*Endeavouring to excel,
to the point of surpassing itself and others*

This is the spirit and the driving force at Supreme...
where it finds dynamic expression in various ways.
From playing the pioneer to setting standards in the industry.
From innovating new products to improving existing ones.
From handling the largest volumes to offering the largest range.
From producing raw materials to manufacturing finished products.
From doing business with the world to being present in markets countrywide.
From harnessing the best global technologies to following best quality practices.
From protecting the environment to caring for society.
From being the leader to being matchless.

“ OUR COMMITMENT TO BUSINESS IS TOTAL ”

We seek to create and add value, in every possible way.
Value that changes and raises the quality of life for every user of our products.
In this, we are driven by the relentless quest of seeking and finding newer
ways to continuously improve everything we do.
And to achieve all this, our efforts are matchless.

M.P. Taparua
Managing Director
The Supreme Industries Ltd.

Strong Credentials

Water is life, without which human existence can not be imagined. Around the world, civilizations have thrived and flourished chiefly around water.

The ever increasing demand for water on account of population increase, upward surge in industrial activity and depleting resources have posed a big challenge to the subject of water management.

This calls for a scientific approach in dealing with collection, storage and transportation of water to mitigate the scarcity of water. Thus, one of the crucial elements of water management is transportation of water through a piping system. Due to varied nature of resources, geographies and end use, the piping requirements greatly differ from place to place. These led to the evolution of many types of piping systems over the centuries involving different materials, different manufacturing technologies etc. to meet the societal demands of water.

In India, plastic piping systems have already gained a wide acceptance over so called conventional pipe materials like clay, metal, cement etc. New fields have now been opened up in areas like hot and cold water supply, soil and waste disposal, drainage and sewerage, cooling and heating systems, rainwater harvesting etc. This is mainly due to the distinct advantages offered by the plastic piping systems such as their high corrosion resistance, less frictional losses, light weight, ease in handling, simple jointing, minimal maintenance and long life besides economy thus making it an obvious and preferred choice over the others.

Plastic Piping Division:

The Supreme Industries Ltd, in last five decades, has not only been in the forefront but a pioneer in developing many innovative plastic piping products. It is credited with innovation of several path breaking products and has been a torch bearer in transition from conventional to advanced plastic piping products in the country. Its customer centric and futuristic approach fuels its research and innovation initiatives.

This journey from leadership to carving a niche in the piping industry has been possible only due to its sustained efforts in responding to the needs of its clients; be it a farmer or a house owner or industry owner or infra project developer. The Company, through its continuous R&D has been providing unique and cost effective solutions relentlessly. Each of its products is designed to match the specific needs of a specific application to ultimately meet the aspirations of the end users.

To cater to the strong market demands, Supreme has established a mega project at Gadegaon - just 18 kms away

from Jalgaon. The entire set-up is certified with ISO 9001:2015 Quality Management System, ISO:14001 Environmental Management System and ISO:45001 Occupational Health and Safety management certifications. This state of the art project is the first of its kind in the country in terms of size, technology and product range.

Be it the requirement of above-the ground or underground applications, the Supreme Industries is the one-stop shop for everything in plastic piping products. The current product portfolio of Supreme comprises of almost every application of pipes and fittings with over 9000 diverse products manufactured as per various national and international standards. Supreme products have gained confidence of customers from more than 25 countries across the globe including quality conscious markets like UK, Germany, Cyprus, Australia, New Zealand and many GCC, SAARC and African countries which stands as a testimony to its philosophy of ultimate customer delight. Supreme has been consistently bagging national awards for its outstanding export performance.

Innovation: A Key to Success

Product innovation and continuous up-gradation of quality has been our consistent endeavor. Different plumbing systems for hot and cold water, underground drainage system with readymade inspection chambers and manholes, hi-tech low noise SWR drainage system, readymade septic tanks and underground water tanks are some of the path-breaking products pioneered by the company; improving the lives of people in domestic and overseas market.

Meeting The Highest Quality Standard:

The Supreme has gained leadership by supplying excellent quality products at affordable prices backed by assured services. This was possible only through continuous quality improvement programs undertaken at various stages of manufacturing.

The training and skill up-gradation of employees is of paramount importance in developing human assets of the company. It involves appropriate recruitment policy, training, motivation for which management is fully committed.

The procurement of right materials, deployment of cutting edge technology in manufacturing process, technology absorption, quality assurance, efficient logistics for distribution and customer service have always been the focus areas at Supreme.

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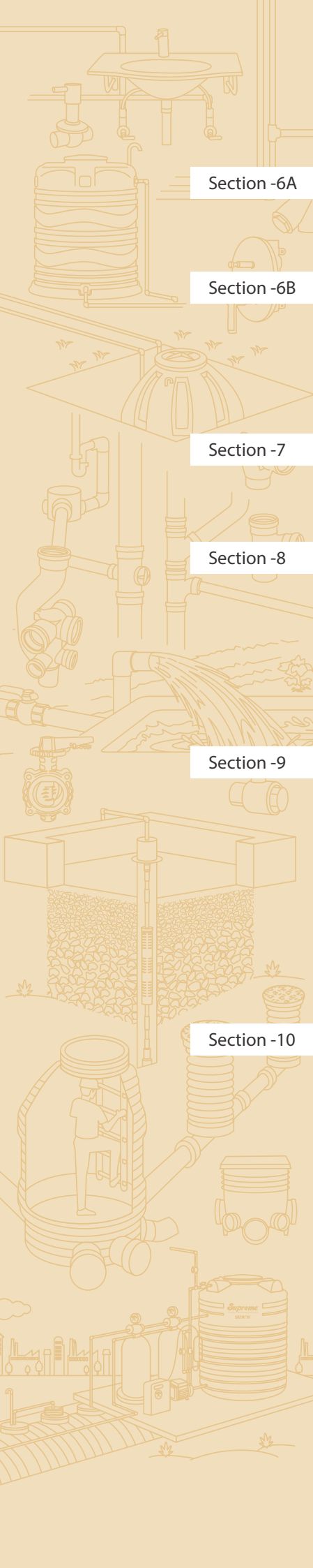
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THE SYSTEM

Supreme "lead free" aqua Gold® high pressure uPVC solvent weld plumbing system is an economical solution for transportation and distribution of potable water and many other applications. This hygienic and cost effective system is not only technically superior to conventional GI piping systems but offers many additional advantages over them. This system is very easy to install and functionally the most suitable for variety of plumbing application.

Type of raw material

The rigid PVC (Polyvinyl Chloride) compound used in the manufacture of pipes and fittings is Type 1, i.e., Grade 1 PVC 1120 as identified in ASTM D-1784. The compound contains specified amounts of pigment, stabilizers and other additives to facilitate extrusion.

Product specifications

The system is manufactured as per ASTM (American Society for Testing of Materials) standards. The pipes are made as per ASTM D-1785 and fittings are made as per ASTM D-2466 (for SCH 40 fittings) and ASTM D-2467 (for SCH 80 fittings). The pipes are supplied without socket, i.e., in plain in 3m length, in SCH 40 and SCH 80 pressure class. The complete fitting range is available in SCH 80, whereas most running fittings are also available in SCH 40. The pipes and fitting are available in 15 to 200mm dia (½" to 8") in SCH 80. In addition to this, 15 to 100mm (½" to 4") sizes are available in SCH 40. The aqua Gold® fittings can be classified into four categories.

1. Solvent weld socketed fittings
2. Threaded fittings with plastic threads
3. Threaded fittings with brass inserts, and
4. Flange joints

Fields of application

This system is designed for normal water application and is an ideal solution for potable water distribution, plumbing and water supply in residential and industrial buildings. It can be used for uptake lines, down take lines and loops on the terraces, concealed pipe work, water distribution mains, industrial process lines, sugar, paper, distillery industry and transportation of corrosive fluids.

FEATURES AND BENEFITS

Strong, resilient and long lasting - This system is highly resilient, tough and durable with high tensile and impact strength. It is also free from weaknesses caused due to rusting, weathering and chemical action which helps it last considerably longer than GI pipe system.

Mechanical properties - uPVC pipes are relatively more flexible than conventional pipe system. They have adequate tensile strength and even burst strength to withstand the operating pressures encountered in most service conditions within the specified range of temperature for the system. External shocks or impacts that could cause a failure in more rigid materials, can be absorbed by the system.

Excellent chemical and corrosion resistant properties - This material is free from corrosion and has an excellent resistance against many chemicals like strong mineral acids, alkalis, salts as well as to a large number of organic solvents.

Light weight - Being light in weight (1/6th the weight of metal piping), these pipes are easy to handle, transport and install.

Simple and leak proof joints - Jointing can be done speedily with the special solvent cement manufactured and supplied by the company which ensures 100% leak proof joints.

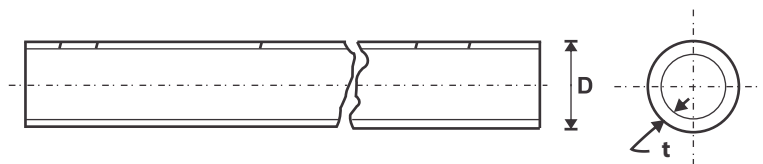
Most suitable for carrying potable water - Being non metallic and made from some special compounds, this system is free from corrosion, chemical reactivity and biological effects and hence most suitable for potable water transportation.

Optimum flow rates - A mirror-smooth surface with C-value 150 ensures high flow rate and low frictional losses.

Piping system integrity - Supreme aqua Gold® offers a vast range of pipe and fittings which makes the system complete in all respect.

Maintenance free - Being free from all the demerits of conventional systems like rusting, pitting, scaling, galvanic or electrolytic corrosion, the Supreme aqua Gold® system can rightly boast of being maintenance free.

Overall economy - Maintenance free, long life of a product which is light, can be cut, jointed and installed with little effort saves a huge amount of money over its life time.
















PIPES

Dimensions and water pressure rating at 23°C for unthreaded pipes as per ASTM D-1785 (PVC compound grade equivalent to PVC 1120/2120)

| Nominal size | | Outside diameter (D) in mm | Schedule 40 | | | Schedule 80 | | |
|--------------|------|----------------------------|--------------------------|---------------------|-----|--------------------------|---------------------|-----|
| | | | Wall thickness (t) in mm | Working pressure | | Wall thickness (t) in mm | Working pressure | |
| mm | inch | | | kgf/cm ² | psi | | kgf/cm ² | psi |
| 15 | ½ | 21.34 ± 0.10 | 2.77+0.51 | 41.4 | 600 | 3.73+0.51 | 58.6 | 850 |
| 20 | ¾ | 26.67 ± 0.10 | 2.87+ 0.51 | 33.1 | 480 | 3.91+0.51 | 47.6 | 690 |
| 25 | 1 | 33.40 ± 0.13 | 3.38+0.51 | 31.0 | 450 | 4.55+0.53 | 43.4 | 630 |
| 32 | 1¼ | 42.16 ± 0.13 | 3.56+0.51 | 25.5 | 370 | 4.85+0.58 | 35.9 | 520 |
| 40 | 1½ | 48.26 ± 0.15 | 3.68+0.51 | 22.8 | 330 | 5.08+0.61 | 32.4 | 470 |
| 50 | 2 | 60.32 ± 0.15 | 3.91+0.51 | 19.3 | 280 | 5.54+0.66 | 27.6 | 400 |
| 65 | 2½ | 73.02 ± 0.18 | 5.16+0.61 | 20.7 | 300 | 7.01+0.84 | 29.0 | 420 |
| 80 | 3 | 88.90 ± 0.20 | 5.49+0.66 | 17.9 | 260 | 7.62+0.91 | 25.5 | 370 |
| 100 | 4 | 114.30 ± 0.23 | 6.02+0.71 | 15.2 | 220 | 8.56+1.02 | 22.1 | 320 |
| 125 | 5 | 141.30 ± 0.25 | 6.55+0.79 | 13.1 | 190 | 9.52+1.14 | 20.0 | 290 |
| 150 | 6 | 168.28 ± 0.28 | 7.11+0.86 | 12.4 | 180 | 10.97+1.32 | 19.3 | 280 |
| 200 | 8 | 219.08 ± 0.38 | 8.18+0.99 | 11.0 | 160 | 12.70+1.52 | 17.2 | 250 |
| *250 | 10 | 273.05 ± 0.38 | 9.27+1.12 | 9.8 | 140 | 15.06+1.80 | 16.1 | 230 |

FITTINGS

| Item Code | Size in mm | Size in inch | SCH | Box Qty. | | Item Code | Size in mm | Size in inch | SCH | Box Qty. | |
|--------------|------------|--------------|-----|----------|---|--------------------|------------|--------------|-----|----------|---|
| MP1G4CPL007E | 65 | 2½ | 40 | 16 |  | MP1G8ELB004E | 32 | 1¼ | 80 | 70 |  |
| MP1G4CPL008E | 80 | 3 | 40 | 10 | | MP1G8ELB005E | 40 | 1½ | 80 | 50 | |
| MP1G4CPL009E | 100 | 4 | 40 | 14 | | MP1G8ELB006E | 50 | 2 | 80 | 30 | |
| | | | | | | MP1G8ELB007E | 65 | 2½ | 80 | 8 | |
| MP1G4CPL001E | 15 | ½ | 40 | 250 |  | MP1G8ELB008E | 80 | 3 | 80 | 11 |  |
| MP1G4CPL002E | 20 | ¾ | 40 | 300 | | MP1G8ELB009E | 100 | 4 | 80 | 5 | |
| MP1G4CPL003E | 25 | 1 | 40 | 200 | | MP1G8ELB005E | 150 | 6 | 80 | 2 | |
| MP1G4CPL004E | 32 | 1¼ | 40 | 100 | | MP1G8ELB00EE | 200 | 8 | 80 | 1 | |
| MP1G4CPL005E | 40 | 1½ | 40 | 75 | | | | | | | |
| MP1G4CPL006E | 50 | 2 | 40 | 50 | | MP1G8REL2X1E | 20x15 | ¾x½ | 80 | 100 |  |
| MP1G8CPL001E | 15 | ½ | 80 | 400 | | MP1G8REL3X1E | 25x15 | 1x½ | 80 | 80 | |
| MP1G8CPL002E | 20 | ¾ | 80 | 300 | | MP1G8REL3X2E | 25x20 | 1x¾ | 80 | 60 | |
| MP1G8CPL003E | 25 | 1 | 80 | 200 | | MP1G8REL4X1E | 32x15 | 1¼x½ | 80 | 120 | |
| MP1G8CPL004E | 32 | 1¼ | 80 | 110 | | MP1G8REL4X3E | 32x25 | 1¼x1 | 80 | 100 | |
| MP1G8CPL005E | 40 | 1½ | 80 | 70 | | MP1G8REL5X3E | 40x25 | 1½x1 | 80 | 80 | |
| MP1G8CPL006E | 50 | 2 | 80 | 50 | | MP1G8REL6X5E | 50x40 | 2x1½ | 80 | 40 | |
| MP1G8CPL007E | 65 | 2½ | 80 | 15 |  | MP1G4BDF010E (HUB) | 150 | 6 | 40 | 9 |  |
| MP1G8CPL008E | 80 | 3 | 80 | 10 | | MP1G8BDF001E | 15 | ½ | 80 | 150 | |
| MP1G8CPL009E | 100 | 4 | 80 | 10 | | MP1G8BDF002E | 20 | ¾ | 80 | 90 | |
| MP1G8CPL010E | 150 | 6 | 80 | 3 | | MP1G8BDF003E | 25 | 1 | 80 | 60 | |
| MP1G8CPL011E | 200 | 8 | 80 | 3 | | MP1G8BDF004E | 32 | 1¼ | 80 | 40 | |
| | | | | | | MP1G8BDF005E | 40 | 1½ | 80 | 25 | |
| MP1G4ELB007E | 65 | 2½ | 40 | 8 |  | MP1G8BDF006E | 50 | 2 | 80 | 16 |  |
| MP1G4ELB008E | 80 | 3 | 40 | 12 | | MP1G8BDF007E | 65 | 2½ | 80 | 10 | |
| MP1G4ELB009E | 100 | 4 | 40 | 5 | | MP1G8BDF008E | 80 | 3 | 80 | 6 | |
| | | | | | | MP1G8BDF009E | 100 | 4 | 80 | 6 | |
| MP1G4ELB001E | 15 | ½ | 40 | 200 |  | MP1G4TEE007E | 65 | 2½ | 40 | 5 |  |
| MP1G4ELB002E | 20 | ¾ | 40 | 250 | | MP1G4TEE008E | 80 | 3 | 40 | 8 | |
| MP1G4ELB003E | 25 | 1 | 40 | 120 | | MP1G4TEE009E | 100 | 4 | 40 | 4 | |
| MP1G4ELB004E | 32 | 1¼ | 40 | 80 | | | | | | | |
| MP1G4ELB005E | 40 | 1½ | 40 | 60 |  | MP1G4TEE001E | 15 | ½ | 40 | 120 |  |
| MP1G4ELB006E | 50 | 2 | 40 | 36 | | MP1G4TEE002E | 20 | ¾ | 40 | 150 | |
| MP1G8ELB001E | 15 | ½ | 80 | 300 | | MP1G4TEE003E | 25 | 1 | 40 | 100 | |
| MP1G8ELB002E | 20 | ¾ | 80 | 220 | | MP1G4TEE004E | 32 | 1¼ | 40 | 60 | |
| MP1G8ELB003E | 25 | 1 | 80 | 120 | | | | | | | |

1 Mpa = 10 Kgf/cm², 1 Kgf/cm² = 14.20 psi. Pipes and fittings are offered in off white (OW) colour. F - Fabricated, SCH - Schedule (Pressure class).
*Marked product will be shortly introduced

| Item Code | Size in mm | Size in inch | SCH | Box Qty. |
|--------------|------------|--------------|-----|----------|
| MP1G4TEE005E | 40 | 1½ | 40 | 40 |
| MP1G4TEE006E | 50 | 2 | 40 | 20 |
| MP1G8TEE001E | 15 | ½ | 80 | 220 |
| MP1G8TEE002E | 20 | ¾ | 80 | 120 |
| MP1G8TEE003E | 25 | 1 | 80 | 80 |
| MP1G8TEE004E | 32 | 1¼ | 80 | 50 |
| MP1G8TEE005E | 40 | 1½ | 80 | 30 |
| MP1G8TEE006E | 50 | 2 | 80 | 20 |
| MP1G8TEE007E | 65 | 2½ | 80 | 5 |
| MP1G8TEE008E | 80 | 3 | 80 | 9 |
| MP1G8TEE009E | 100 | 4 | 80 | 3 |
| MP1G8TEE00SE | 150 | 6 | 80 | 2 |
| MP1G8TEE00EE | 200 | 8 | 80 | 1 |



Equal Tee

| | | | | |
|--------------|----|----|----|----|
| MP1G8CRT001E | 15 | ½ | 80 | 80 |
| MP1G8CRT002E | 20 | ¾ | 80 | 45 |
| MP1G8CRT003E | 25 | 1 | 80 | 30 |
| MP1G8CRT004E | 32 | 1¼ | 80 | 40 |



Cross Tee

| | | | | |
|--------------|-------------|-------|----|-----|
| MP1G8RET2X1E | 20x15 | ¾x½ | 80 | 70 |
| MP1G8RET3X1E | 25x15 | 1x½ | 80 | 120 |
| MP1G8RET3X2E | 25x20 | 1x¾ | 80 | 40 |
| MP1G8RET4X1E | 32x15 | 1¼x½ | 80 | 35 |
| MP1G8RET4X2E | 32x20 | 1¼x¾ | 80 | 30 |
| MP1G8RET4X3E | 32x25 | 1¼x1 | 80 | 28 |
| MP1G8RET5X1E | 40x15 | 1½x½ | 80 | 25 |
| MP1G8RET5X2E | 40x20 | 1½x¾ | 80 | 20 |
| MP1G8RET5X3E | 40x25 | 1½x1 | 80 | 20 |
| MP1G8RET5X4E | 40x32 | 1½x1¼ | 80 | 16 |
| MP1G8RET6X1E | 50x15 | 2x½ | 80 | 12 |
| MP1G8RET6X2E | 50x20 | 2x¾ | 80 | 12 |
| MP1G8RET6X3E | 50x25 | 2x1 | 80 | 12 |
| MP1G8RET6X4E | 50x32 | 2x1¼ | 80 | 12 |
| MP1G8RET6X5E | 50x40 | 2x1½ | 80 | 12 |
| MP1G8RET7X2E | 65x20 | 2½x¾ | 80 | 6 |
| MP1G8RET7X3E | 65x25 | 2½x1 | 80 | 7 |
| MP1G8RET7X4E | 65x32 | 2½x1¼ | 80 | 8 |
| MP1G8RET7X5E | 65x40 | 2½x1½ | 80 | 6 |
| MP1G8RET7X6E | 65x50 | 2½x2 | 80 | 6 |
| MP1G8RET8X2E | 80x20 | 3x¾ | 80 | 5 |
| MP1G8RET8X3E | 80x25 | 3x1 | 80 | 10 |
| MP1G8RET8X5E | 80x40 | 3x1½ | 80 | 10 |
| MP1G8RET8X6E | 80x50 | 3x2 | 80 | 10 |
| MP1G8RET8X7E | 80x65 | 3x2½ | 80 | 9 |
| MP1G8RET9X2E | 100x20 | 4x¾ | 80 | 4 |
| MP1G8RET9X3E | 100x25 | 4x1 | 80 | 6 |
| MP1G8RET9X4E | 100x32 | 4x1¼ | 80 | 6 |
| MP1G8RET9X5E | 100x40 | 4x1½ | 80 | 6 |
| MP1G8RET9X6E | 100x50 | 4x2 | 80 | 6 |
| MP1G8RET9X8E | 100x80 | 4x3 | 80 | 5 |
| MP1G8RETSX7E | 150x65 | 6x2½ | 80 | 2 |
| MP1G8RETSX8E | 150x80 | 6x3 | 80 | 2 |
| MP1G8RETSX9E | 150x100 | 6x4 | 80 | 2 |
| FPG8RET025EW | 80x32 (F) | 3x1¼ | 80 | 20 |
| FPG8RET011EW | 100x65 (F) | 4x2½ | 80 | 10 |
| FPG8RET040EW | 200x150 (F) | 8x6 | 80 | 1 |



Reducing Tee

| | | | | |
|--------------|---------|-------|----|-----|
| MP1G4RB10X9E | 150x100 | 6x4 | 40 | 16 |
| MP1G8REB2X1E | 20x15 | ¾x½ | 80 | 400 |
| MP1G8REB3X1E | 25x15 | 1x½ | 80 | 225 |
| MP1G8REB3X2E | 25x20 | 1x¾ | 80 | 225 |
| MP1G8REB4X1E | 32x15 | 1¼x½ | 80 | 120 |
| MP1G8REB4X2E | 32x20 | 1¼x¾ | 80 | 140 |
| MP1G8REB4X3E | 32x25 | 1¼x1 | 80 | 100 |
| MP1G8REB5X1E | 40x15 | 1½x½ | 80 | 80 |
| MP1G8REB5X2E | 40x20 | 1½x¾ | 80 | 80 |
| MP1G8REB5X3E | 40x25 | 1½x1 | 80 | 80 |
| MP1G8REB5X4E | 40x32 | 1½x1¼ | 80 | 40 |
| MP1G8REB6X1E | 50x15 | 2x½ | 80 | 24 |



Reducing Bush

| Item Code | Size in mm | Size in inch | SCH | Box Qty. |
|--------------|------------|--------------|-----|----------|
| MP1G8REB6X2E | 50x20 | 2x¾ | 80 | 50 |
| MP1G8REB6X3E | 50x25 | 2x1 | 80 | 50 |
| MP1G8REB6X4E | 50x32 | 2x1¼ | 80 | 50 |
| MP1G8REB6X5E | 50x40 | 2x1½ | 80 | 50 |
| MP1G8REB7X3E | 65x25 | 2½x1 | 80 | 25 |
| MP1G8REB7X4E | 65x32 | 2½x1¼ | 80 | 12 |
| MP1G8REB7X5E | 65x40 | 2½x1½ | 80 | 12 |
| MP1G8REB7X6E | 65x50 | 2½x2 | 80 | 30 |
| MP1G8REB8X5E | 80x40 | 3x1½ | 80 | 10 |
| MP1G8REB8X6E | 80x50 | 3x2 | 80 | 24 |
| MP1G8REB8X7E | 80x65 | 3x2½ | 80 | 10 |
| MP1G8REB9X6E | 100x50 | 4x2 | 80 | 12 |
| MP1G8REB9X7E | 100x65 | 4x2½ | 80 | 12 |
| MP1G8REB9X8E | 100x80 | 4x3 | 80 | 12 |
| MP1G8REBEXSE | 200x150 | 8x6 | 80 | 4 |



Reducing Bush

| | | | |
|--------|-----|----|------|
| *20x15 | ¾x½ | 80 | 1200 |
| *25x15 | 1x½ | 80 | 600 |
| *25x20 | 1x¾ | 80 | 600 |



Reducing Threaded Bush

| | | | | |
|--------------|---------|-------|----|-----|
| MP1G8RED2X1E | 20x15 | ¾x½ | 80 | 100 |
| MP1G8RED3X1E | 25x15 | 1x½ | 80 | 100 |
| MP1G8RED3X2E | 25x20 | 1x¾ | 80 | 90 |
| MP1G8RED4X2E | 32x20 | 1¼x¾ | 80 | 60 |
| MP1G8RED4X3E | 32x25 | 1¼x1 | 80 | 50 |
| MP1G8RED5X3E | 40x25 | 1½x1 | 80 | 60 |
| MP1G8RED5X4E | 40x32 | 1½x1¼ | 80 | 40 |
| MP1G8RED6X3E | 50x25 | 2x1 | 80 | 30 |
| MP1G8RED6X4E | 50x32 | 2x1¼ | 80 | 25 |
| MP1G8RED6X5E | 50x40 | 2x1½ | 80 | 25 |
| MP1G8RED7X2E | 65x20 | 2½x¾ | 80 | 20 |
| MP1G8RED7X4E | 65x32 | 2½x1¼ | 80 | 20 |
| MP1G8RED7X6E | 65x50 | 2½x2 | 80 | 15 |
| MP1G8RED8X6E | 80x50 | 3x2 | 80 | 16 |
| MP1G8RED8X7E | 80x65 | 3x2½ | 80 | 10 |
| MP1G8RED9X6E | 100x50 | 4x2 | 80 | 6 |
| MP1G8RED9X8E | 100x80 | 4x3 | 80 | 12 |
| MP1G8REDEXSE | 200x150 | 8x6 | 80 | 2 |



Reducer

| | | | | |
|--------------|---------|-------|----|-----|
| FPG8RED026EW | 32x15 | 1¼x½ | 80 | 125 |
| FPG8RED028EW | 40x15 | 1½x½ | 80 | 100 |
| FPG8RED029EW | 40x20 | 1½x¾ | 80 | 100 |
| FPG8RED031EW | 50x15 | 2x½ | 80 | 60 |
| FPG8RED030EW | 50x20 | 2x¾ | 80 | 60 |
| FPG8RED024EW | 50x25 | 2x1 | 80 | |
| FPG8RED009EW | 65x40 | 2½x1½ | 80 | 25 |
| FPG8RED011EW | 100x65 | 4x2½ | 80 | 30 |
| FPG8RED013EW | 150x100 | 6x4 | 80 | 10 |



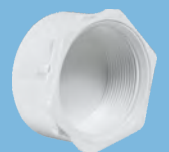
Reducer (F)

| | | | | |
|--------------|---------|----|----|-----|
| MP1G8ECP001E | 15 | ½ | 80 | 350 |
| MP1G8ECP002E | 20 | ¾ | 80 | 240 |
| MP1G8ECP003E | 25 | 1 | 80 | 120 |
| MP1G8ECP004E | 32 | 1¼ | 80 | 75 |
| MP1G8ECP005E | 40 | 1½ | 80 | 60 |
| MP1G8ECP006E | 50 | 2 | 80 | 40 |
| MP1G8ECP007E | 65 | 2½ | 80 | 20 |
| MP1G8ECP008E | 80 | 3 | 80 | 16 |
| MP1G8ECP009E | 100 | 4 | 80 | 8 |
| MP1G8ECP010E | 150 | 6 | 80 | 5 |
| | 200 (F) | 8 | 80 | L |



End Cap (Plain)

| | | | | |
|--------------|----|----|----|------|
| MP1G8ECT001E | 15 | ½ | 80 | 1000 |
| MP1G8ECT002E | 20 | ¾ | 80 | 600 |
| MP1G8ECT003E | 25 | 1 | 80 | 400 |
| MP1G8ECT004E | 32 | 1¼ | 80 | 225 |
| MP1G8ECT005E | 40 | 1½ | 80 | 150 |
| MP1G8ECT006E | 50 | 2 | 80 | 100 |



End Cap (Threaded)

1 Mpa = 10 Kg/cm², 1 Kg/cm² = 14.20 psi. Pipes and fittings are offered in off white (OW) colour. F - Fabricated, SCH - Schedule (Pressure class).
*Marked product will be shortly introduced

| Item Code | Size in mm | Size in inch | SCH | Box Qty. |
|--------------|------------|--------------|-----|----------|
| NP1G4UNI001E | 15 | ½ | 40 | 140 |
| NP1G4UNI002E | 20 | ¾ | 40 | 100 |
| NP1G4UNI003E | 25 | 1 | 40 | 60 |
| NP1G4UNI004E | 32 | 1¼ | 40 | 35 |
| NP1G4UNI005E | 40 | 1½ | 40 | 25 |
| NP1G4UNI006E | 50 | 2 | 40 | 15 |
| NP1G8UNI001E | 15 | ½ | 80 | 40 |
| NP1G8UNI002E | 20 | ¾ | 80 | 60 |
| NP1G8UNI003E | 25 | 1 | 80 | 30 |
| NP1G8UNI004E | 32 | 1¼ | 80 | 25 |
| NP1G8UNI005E | 40 | 1½ | 80 | 15 |
| NP1G8UNI006E | 50 | 2 | 80 | 10 |
| NP1G8UNI007E | 65 | 2½ | 80 | 6 |
| NP1G8UNI008E | 80 | 3 | 80 | 3 |
| NP1G8UNI009E | 100 | 4 | 80 | 2 |



Union

| | | | | |
|--------------|----|----|----|----|
| NP1G8UNT002E | 20 | ¾ | 80 | |
| NP1G8UNT003E | 25 | 1 | 80 | |
| NP1G8UNT004E | 32 | 1¼ | 80 | 30 |



Union (Threaded)

| | | | | |
|--------------|-----|----|----|-----|
| MP1G8FTE001E | 15 | ½ | 80 | 150 |
| MP1G8FTE002E | 20 | ¾ | 80 | 100 |
| MP1G8FTE003E | 25 | 1 | 80 | 60 |
| MP1G8FTE004E | 32 | 1¼ | 80 | 36 |
| MP1G8FTE005E | 40 | 1½ | 80 | 25 |
| MP1G8FTE006E | 50 | 2 | 80 | 16 |
| MP1G8FTE009E | 100 | 4 | 80 | 4 |



Female Threaded Elbow (Plastic)

| | | | | |
|--------------|-------|-----|----|-----|
| MP1G8FTT001E | 15 | ½ | 80 | 100 |
| MP1G8FTT002E | 20 | ¾ | 80 | 60 |
| MP1G8FTT003E | 25 | 1 | 80 | 40 |
| MP1G8FTT004E | 32 | 1¼ | 80 | 25 |
| MP1G8FTT005E | 40 | 1½ | 80 | 16 |
| MP1G8FTT006E | 50 | 2 | 80 | 9 |
| MP1G8FTT009E | 100 | 4 | 80 | 4 |
| MP1G8FTT2X1E | 20x15 | ¾x½ | 80 | 80 |



Female Threaded Tee (Plastic)

| | | | | |
|--------------|---------|-------|----|-----|
| MP1G4MTA001E | 15 | ½ | 40 | 400 |
| MP1G4MTA002E | 20 | ¾ | 40 | 250 |
| MP1G4MTA003E | 25 | 1 | 40 | 120 |
| MP1G4MTA004E | 32 | 1¼ | 40 | 160 |
| MP1G4MTA005E | 40 | 1½ | 40 | 100 |
| MP1G4MTA006E | 50 | 2 | 40 | 60 |
| MP1G8MTA001E | 15 | ½ | 80 | 600 |
| MP1G8MTA002E | 20 | ¾ | 80 | 200 |
| MP1G8MTA003E | 25 | 1 | 80 | 240 |
| MP1G8MTA004E | 32 | 1¼ | 80 | 80 |
| MP1G8MTA005E | 40 | 1½ | 80 | 54 |
| MP1G8MTA006E | 50 | 2 | 80 | 24 |
| MP1G8MTA007E | 65 | 2½ | 80 | 15 |
| MP1G8MTA008E | 80 | 3 | 80 | 12 |
| MP1G8MTA009E | 100 | 4 | 80 | 12 |
| FPG8MTA006EW | 150 (F) | 6 | 80 | 10 |
| FPG8MTA008EW | 200 (F) | 8 | 80 | 1 |
| MP1G8RMT5X4E | 40x32 | 1½x1¼ | 80 | 40 |
| MP1G8RMT6X5E | 50x40 | 2x1½ | 80 | 30 |



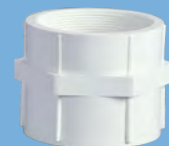
Male Threaded Adapter (Plastic)

| | | | | |
|--------------|----|----|----|-----|
| MP1G4FTA001E | 15 | ½ | 40 | 300 |
| MP1G4FTA002E | 20 | ¾ | 40 | 200 |
| MP1G4FTA003E | 25 | 1 | 40 | 150 |
| MP1G4FTA004E | 32 | 1¼ | 40 | 150 |
| MP1G4FTA005E | 40 | 1½ | 40 | 80 |
| MP1G4FTA006E | 50 | 2 | 40 | 60 |



Female Threaded Adapter (Plastic)

| Item Code | Size in mm | Size in inch | SCH | Box Qty. |
|--------------|------------|--------------|-----|----------|
| MP1G8FTA001E | 15 | ½ | 80 | 550 |
| MP1G8FTA002E | 20 | ¾ | 80 | 140 |
| MP1G8FTA003E | 25 | 1 | 80 | 100 |
| MP1G8FTA004E | 32 | 1¼ | 80 | 60 |
| MP1G8FTA005E | 40 | 1½ | 80 | 45 |
| MP1G8FTA006E | 50 | 2 | 80 | 25 |
| MP1G8FTA007E | 65 | 2½ | 80 | 12 |
| MP1G8FTA008E | 80 | 3 | 80 | 12 |
| MP1G8FTA009E | 100 | 4 | 80 | 4 |
| FPG8FTA006EW | 150 (F) | 6 | 80 | 8 |
| FPG8FTA008EW | 200 (F) | 8 | 80 | 6 |
| MP1G8RFT5X4E | 40x32 | 1½x1¼ | 80 | 40 |
| MP1G8RFT6X5E | 50x40 | 2x1½ | 80 | 30 |



Female Threaded Adapter (Plastic)

| | | | | |
|--------------|-------|------|----|----|
| MP2G8FTT001E | 15 | ½ | 80 | 90 |
| MP2G8FTT002E | 20 | ¾ | 80 | 50 |
| MP2G8FTT3X3E | 25 | 1 | 80 | 16 |
| MP2G8FTT2X1E | 20x15 | ¾x½ | 80 | 50 |
| MP2G8FTT3X1E | 25x15 | 1x½ | 80 | 30 |
| MP2G8FTT3X2E | 25x20 | 1x¾ | 80 | 30 |
| MP2G8FTT4X1E | 32x15 | 1¼x½ | 80 | 10 |
| MP2G8FTT4X2E | 32x20 | 1¼x¾ | 80 | 10 |
| MP2G8FTT5X2E | 40x20 | 1½x¾ | 80 | 16 |



Female Threaded Tee (Brass)

| | | | | |
|--------------|-------|-----|----|-----|
| MP2G8FTE001E | 15 | ½ | 80 | 120 |
| MP2G8FTE002E | 20 | ¾ | 80 | 60 |
| MP2G8FTE3X3E | 25 | 1 | 80 | 20 |
| MP2G8FTE004E | 32 | 1¼ | 80 | 10 |
| MP2G8FTE2X1E | 20x15 | ¾x½ | 80 | 80 |
| MP2G8FTE3X1E | 25x15 | 1x½ | 80 | 60 |
| MP2G8FTE3X2E | 25x20 | 1x¾ | 80 | 50 |



Female Threaded Elbow (Brass)

| | | | | |
|--------------|-------|-------|----|-----|
| MP2G8MTA001E | 15 | ½ | 80 | 100 |
| MP2G8MTA002E | 20 | ¾ | 80 | 80 |
| MP2G8MTA003E | 25 | 1 | 80 | 50 |
| MP2G8MTA4X4E | 32 | 1¼ | 80 | 30 |
| MP2G8MTA5X5E | 40 | 1½ | 80 | 25 |
| MP2G8MTA006E | 50 | 2 | 80 | 6 |
| MP2G8MTA007E | 65 | 2½ | 80 | 6 |
| MP2G8MTA008E | 80 | 3 | 80 | 3 |
| MP2G8MTA009E | 100 | 4 | 80 | 2 |
| MP2G8MTA2X1E | 20x15 | ¾x½ | 80 | 100 |
| MP2G8MTA3X1E | 25x15 | 1x½ | 80 | 80 |
| MP2G8MTA3X2E | 25x20 | 1x¾ | 80 | 30 |
| MP2G8MTA4X3E | 32x25 | 1¼x1 | 80 | 20 |
| MP2G8MTA5X4E | 40x32 | 1½x1¼ | 80 | 10 |



Male Threaded Adapter (Brass)

| | | | | |
|--------------|-------|-------|----|-----|
| MP2G8FTA001E | 15 | ½ | 80 | 140 |
| MP2G8FTA002E | 20 | ¾ | 80 | 80 |
| MP2G8FTA003E | 25 | 1 | 80 | 60 |
| MP2G8FTA004E | 32 | 1¼ | 80 | 30 |
| MP2G8FTA5X5E | 40 | 1½ | 80 | 30 |
| MP2G8FTA006E | 50 | 2 | 80 | 6 |
| MP2G8FTA007E | 65 | 2½ | 80 | 6 |
| MP2G8FTA008E | 80 | 3 | 80 | 4 |
| MP2G8FTA009E | 100 | 4 | 80 | 2 |
| MP2G8FTA2X1E | 20x15 | ¾x½ | 80 | 120 |
| MP2G8FTA3X1E | 25x15 | 1x½ | 80 | 80 |
| MP2G8FTA3X2E | 25x20 | 1x¾ | 80 | 75 |
| MP2G8FTA4X3E | 32x25 | 1¼x1 | 80 | 20 |
| MP2G8FTA5X4E | 40x32 | 1½x1¼ | 80 | 30 |








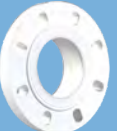












Female Threaded Adapter (Brass)

| | | | | |
|--------------|----|----|----|----|
| NP2G8BLV001E | 15 | ½ | 80 | 16 |
| NP2G8BLV002E | 20 | ¾ | 80 | 16 |
| NP2G8BLV003E | 25 | 1 | 80 | 14 |
| NP2G8BLV004E | 32 | 1¼ | 80 | 4 |
| NP2G8BLV005E | 40 | 1½ | 80 | 4 |
| NP2G8BLV006E | 50 | 2 | 80 | 2 |














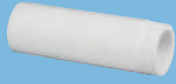









Ball Valve (S.S. Ball)

1 Mpa = 10 Kg/cm², 1 Kg/cm² = 14.20 psi. Pipes and fittings are offered in off white (OW) colour. F - Fabricated, SCH - Schedule (Pressure class)




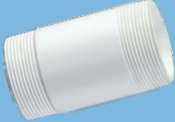

| Item Code | Size in mm | Size in inch | SCH | Box Qty. | | Item Code | Size in mm | Size in inch | SCH | Box Qty. | |
|--------------|------------|--------------|-----|----------|--|--------------|------------|--------------|-----|----------|---|
| NP1G8BVP001E | 15 | ½ | 80 | 40 |  Ball Valve (Plastic Ball) | MP1G8PCL001E | 15 | ½ | 80 | 900 |  Pipe Clip (Plastic) |
| NP1G8BVP002E | 20 | ¾ | 80 | 32 | | MP1G8PCL002E | 20 | ¾ | 80 | 600 | |
| NP1G8BVP003E | 25 | 1 | 80 | 28 | | MP1G8PCL003E | 25 | 1 | 80 | 400 | |
| NP1G8BVP004E | 32 | 1¼ | 80 | 24 | | MP1G8PCL004E | 32 | 1¼ | 80 | 200 | |
| NP1G8BVP005E | 40 | 1½ | 80 | 16 | | MP1G8PCL005E | 40 | 1½ | 80 | 150 | |
| NP1G8BVP006E | 50 | 2 | 80 | 16 | | MP1G8PCL006E | 50 | 2 | 80 | 100 | |
| NP2G8BLV007E | 65 | 2½ | 80 | 1 |  Ball Valve | NE1G8PCL001W | 15 | ½ | 80 | 400 |  Pipe Clamp with Nail |
| NP2G8BLV008E | 80 | 3 | 80 | 1 | | NE1G8PCL002W | 20 | ¾ | 80 | 300 | |
| NP2G8BLV009E | 100 | 4 | 80 | 1 | | NE1G8PCL003W | 25 | 1 | 80 | 200 | |
| | | | | | | NE1G8PCL004W | 32 | 1¼ | 80 | 150 | |
| | | | | | | NE1G8PCL005W | 40 | 1½ | 80 | 120 | |
| | | | | | | NE1G8PCL006W | 50 | 2 | 80 | 80 | |
| NP1G8BVUN07E | 65 | 2½ | 80 | 4 |  Ball Valve with Union | MP1G8FLA003E | 25 | 1 | 80 | 30 |  Flange Adapter |
| NP1G8BVUN08E | 80 | 3 | 80 | 3 | | MP1G8FLA005E | 40 | 1½ | 80 | 20 | |
| | | | | | | MP1G8FLA006E | 50 | 2 | 80 | 10 | |
| | | | | | | MP1G8FLA007E | 65 | 2½ | 80 | 6 | |
| MP1G8CTP001E | 15 | ½ | 80 | 270 |  Circuit Testing Plug | MP1G8FLA008E | 80 | 3 | 80 | 5 | |
| MP1G8CTP002E | 20 | ¾ | 80 | 80 | | MP1G8FLA009E | 100 | 4 | 80 | 8 | |
| FPG8CTP003EW | 25 | 1 (F) | 80 | 75 | | MP1G8FLA010E | 150 | 6 | 80 | 3 | |
| FPG8CTP004EW | 32 | 1¼ (F) | 80 | 50 | | NP1G8FVS004E | 32 | 1¼ | 80 | 24 |  Flange Van Stone Style |
| FPG8CTP005EW | 40 | 1½ (F) | 80 | 25 | | | *40 | 1½ | 80 | | |
| FPG8CTP006EW | 50 | 2 (F) | 80 | 9 | | | *50 | 2 | 80 | | |
| | | | | |  Circuit Testing Plug (N) | NP1G8FVS007E | 65 | 2½ | 80 | 6 | |
| MP1G8CRP001E | 15 | ½ | 80 | 300 | | NP1G8FVS008E | 80 | 3 | 80 | 5 | |
| | | | | | | NP1G8FVS009E | 100 | 4 | 80 | 8 | |
| | | | | | | NP1G8FVS011E | 200 | 8 | 80 | 2 | |
| NP2G8CVF003E | 25 | 1 | 80 | 10 |  Concealed Valve | MP1G8BFL007E | 65 | 2½ | 80 | 12 |  Blind Flange |
| | | | | | | MP1G8BFL008E | 80 | 3 | 80 | 10 | |
| | | | | | | MP1G8BFL009E | 100 | 4 | 80 | 3 | |
| | | | | | | | | | | | |
| NP2G8STH003E | 25 | 1 | 80 | 10 |  Screw Tap with Handwheel | MP1G8HNP001E | 15 | ½ | 80 | 400 |  Hex Nipple |
| | | | | | | MP1G8HNP002E | 20 | ¾ | 80 | 225 | |
| | | | | | | MP1G8HNP003E | 25 | 1 | 80 | 140 | |
| | | | | | | MP1G8HNP004E | 32 | 1¼ | 80 | 80 | |
| | | | | | | MP1G8HNP005E | 40 | 1½ | 80 | 60 | |
| | | | | | | MP1G8HNP006E | 50 | 2 | 80 | 40 | |
| NP2G8YSTPC3E | 25 | 1 | 80 | 8 |  Y-Strainer | MP1G8TPG001E | 15 | ½ | 80 | 800 |  Threaded Plug |
| NP2G8YSTPC4E | 32 | 1¼ | 80 | 6 | | MP1G8TPG002E | 20 | ¾ | 80 | 270 | |
| NP2G8YSTPC5E | 40 | 1½ | 80 | 3 | | MP1G8TPG003E | 25 | 1 | 80 | 120 | |
| NP2G8YSTPC6E | 50 | 2 | 80 | 2 | | MP1G8TPG004E | 32 | 1¼ | 80 | 100 | |
| NP2G8YST007E | 65 | 2½ | 80 | 1 | | FPG8TPG002EW | 40 | 1½ (F) | 80 | | |
| NP2G8YST008E | 80 | 3 | 80 | 1 | | FPG8TPG006EW | 50 | 2 (F) | 80 | 75 | |
| | | | | |  Angle Cock | FPG8TPG007EW | 65 | 2½ (F) | 80 | 10 |  Tank Air Vent |
| | | | | | | FPG8TPG008EW | 80 | 3 (F) | 80 | 8 | |
| | | | | | | FPG8TPG009EW | 100 | 4 (F) | 80 | 5 | |
| | | | | | | NP2G4TAV001E | 15 | ½ | 40 | 30 | |
| | | | | | | NP2G4TAV002E | 20 | ¾ | 40 | 25 | |
| | | | | | | NP2G4TAV003E | 25 | 1 | 40 | 30 | |
| NP2G8AGC003E | 25 | 1 | 80 | 6 | | NP2G4TAV005E | 40 | 1½ | 40 | 30 |  Air Release Valve |
| | | | | | | NP7ATARV020B | 20 | ¾ | | 24 | |
| | | | | | | NP7ATARV025B | 25 | 1 | | 18 | |
| | | | | | | NP7ATARV032B | 32 | 1¼ | | 12 | |

1 Mpa = 10 Kgf/cm², 1 Kgf/cm² = 14.20 psi. Pipes and fittings are offered in off white (OW) colour. F - Fabricated, SCH - Schedule (Pressure class).

*Marked product will be shortly introduced

| Item Code | Size in mm | Size in inch | SCH | Box Qty. | | Item Code | Size in mm | Size in inch | SCH | Box Qty. | |
|--------------|------------|--------------|-----|----------|--|--------------|------------|--------------|-----|----------|--|
| NP4G8SCV002I | 20 | ¾ | 80 | 30 |  Swing Check Valve | FPG8RTC001EW | 50 | 2 | 80 | 25 |  Tank Connector (for RCC tank) (MTxSpG) (F) |
| NP4G8SCV003I | 25 | 1 | 80 | 22 | | FPG8RTC002EW | 65 | 2½ | 80 | 15 | |
| NP4G8SCV004I | 32 | 1¼ | 80 | 12 | | FPG8RTC003EW | 80 | 3 | 80 | 10 | |
| NP4G8SCV005I | 40 | 1½ | 80 | 08 | | FPG8RTC004EW | 100 | 4 | 80 | 6 | |
| NP4G8SCV006I | 50 | 2 | 80 | 06 | | | | | | | |
| NP1G8NRV006E | 50 | 2 | 80 | 3 |  Non Return Valve (NRV) | FPG8BNT001EW | 15 | ½ | 80 | 100 |  Bend 90° (Threaded) (F) |
| NP1G8NRV007E | 65 | 2½ | 80 | 2 | | FPG8BNT002EW | 20 | ¾ | 80 | 60 | |
| NP1G8NRV008E | 80 | 3 | 80 | 1 | | FPG8BNT003EW | 25 | 1 | 80 | 50 | |
| NP1G8NRV009E | 100 | 4 | 80 | 1 | | FPG8BNT004EW | 32 | 1¼ | 80 | 30 | |
| | | | | | | FPG8BNT005EW | 40 | 1½ | 80 | 20 | |
| NP1G8TCR001E | 15 | ½ | 80 | 100 |  Tank Connector (MT/FT) | FPG8BNT006EW | 50 | 2 | 80 | 35 |  Bend 90° (SW) (F) |
| NP1G8TCR002E | 20 | ¾ | 80 | 80 | | FPG8BNT007EW | 65 | 2½ | 80 | 15 | |
| NP1G8TCR003E | 25 | 1 | 80 | 50 | | FPG8BNT008EW | 80 | 3 | 80 | 10 | |
| NP1G8TCR004E | 32 | 1¼ | 80 | 30 | | FPG8BNT009EW | 100 | 4 | 80 | 4 | |
| NP1G8TCR005E | 40 | 1½ | 80 | 25 | | FPG8BNT010EW | 150 | 6 | 80 | L | |
| NP1G8TCS003E | 25 | 1 | 80 | 120 |  Tank Connector (MT/Soc) | FPG8BNS001EW | 15 | ½ | 80 | 75 |  Bypass Bend (F) |
| NP1G8TCS004E | 32 | 1¼ | 80 | 25 | | FPG8BNS002EW | 20 | ¾ | 80 | 40 | |
| | | | | | | FPG8BNS003EW | 25 | 1 | 80 | 50 | |
| | | | | | | FPG8BNS004EW | 32 | 1¼ | 80 | 30 | |
| | | | | | | FPG8BNS005EW | 40 | 1½ | 80 | 20 | |
| NP1G8TCM002E | 20 | ¾ | 80 | 80 |  Tank Connector (MT/MT) | FPG8BNS006EW | 50 | 2 | 80 | 35 |  Offset Bend |
| NP1G8TCM003E | 25 | 1 | 80 | 100 | | FPG8BNS007EW | 65 | 2½ | 80 | 15 | |
| | | | | | | FPG8BNS008EW | 80 | 3 | 80 | 10 | |
| | | | | | | FPG8BNS009EW | 100 | 4 | 80 | 4 | |
| | | | | | | FPG8BNS010EW | 150 | 6 | 80 | L | |
| FPG8TCR006EW | 50 | 2 | 80 | 13 |  Tank Connector (MT/MT) (F) | FPG8BNS011EW | 200 | 8 | 80 | L | |
| | | | | | | FPG8BPB007EW | 15 | ½ | 80 | 75 |  Male Transition Nipple (M.T.N.) (F) |
| | | | | | | FPG8BPB008EW | 20 | ¾ | 80 | 50 | |
| | | | | | | FPG8BPB009EW | 25 | 1 | 80 | 35 | |
| | | | | | | FPG8BPB010EW | 32 | 1¼ | 80 | 30 | |
| NP1G8TCL001E | 15 | ½ | 80 | 80 |  Tank Connector Long (MT/SpG) | FPG8BPB011EW | 40 | 1½ | 80 | 25 | |
| NP1G8TCL002E | 20 | ¾ | 80 | 150 | | FPG8BPB012EW | 50 | 2 | 80 | 15 | |
| NP1G8TCL003E | 25 | 1 | 80 | 100 | | FPG8OSB002EW | 15 | ½ | 80 | 75 |  Female Transition Nipple (F.T.N.) (F) |
| NP1G8TCL004E | 32 | 1¼ | 80 | 50 | | FPG8OSB001EW | 20 | ¾ | 80 | 50 | |
| NP1G8TCL005E | 40 | 1½ | 80 | 40 | | FPG8OSB003EW | 25 | 1 | 80 | 35 | |
| FPG8TCL006EW | 50 (F) | 2 | 80 | 9 |  Tank Connector with Union (MTxSoc) | FPG8OSB004EW | 32 | 1¼ | 80 | 30 | |
| NP1G4UTC003E | 25 | 1 | 40 | 70 | | FPG8MTN001EW | 15x100 | ½x4 | 80 | 150 |  Female Transition Nipple (F.T.N.) (F) |
| NP1G4UTC005E | 40 | 1½ | 40 | 30 | | FPG8MTN002EW | 20x100 | ¾x4 | 80 | 125 | |
| NP1G4UTC006E | 50 | 2 | 40 | 20 | | FPG8MTN003EW | 25x100 | 1x4 | 80 | 65 | |
| | | | | | | FPG8MTN004EW | 32x100 | 1¼x4 | 80 | 40 | |
| | | | | | | FPG8MTN005EW | 40x100 | 1½x4 | 80 | 35 | |
| | | | | | | FPG8MTN006EW | 50x100 | 2x4 | 80 | 25 |  Female Transition Nipple (F.T.N.) (F) |
| | | | | | | FPG8MTN008EW | 15x150 | ½x6 | 80 | 125 | |
| | | | | | | FPG8MTN009EW | 20x150 | ¾x6 | 80 | 100 | |
| | | | | | | FPG8MTN010EW | 25x150 | 1x6 | 80 | 50 | |
| | | | | | | FPG8MTN011EW | 32x150 | 1¼x6 | 80 | 35 | |
| | | | | | | FPG8MTN014EW | 40x150 | 1½x6 | 80 | 30 |  Female Transition Nipple (F.T.N.) (F) |
| | | | | | | FPG8MTN012EW | 50x150 | 2x6 | 80 | 20 | |
| | | | | | | FPG8MTN007EW | 65x150 | 2½x6 | 80 | 15 | |
| | | | | | | FPG8MTN013EW | 80x150 | 3x6 | 80 | 10 | |
| | | | | | | FPG8MTN015EW | 100x150 | 4x6 | 80 | 8 | |
| | | | | | | FPG8FTN001EW | 15x100 | ½x4 | 80 | 150 |  Female Transition Nipple (F.T.N.) (F) |
| | | | | | | FPG8FTN002EW | 20x100 | ¾x4 | 80 | 125 | |
| | | | | | | FPG8FTN003EW | 25x100 | 1x4 | 80 | 65 | |
| | | | | | | FPG8FTN004EW | 32x100 | 1¼x4 | 80 | 40 | |
| | | | | | | FPG8FTN005EW | 40x100 | 1½x4 | 80 | 30 | |
| | | | | | | FPG8FTN006EW | 50x100 | 2x4 | 80 | 25 |  Female Transition Nipple (F.T.N.) (F) |
| | | | | | | FPG8FTN008EW | 15x150 | ½x6 | 80 | 100 | |
| | | | | | | FPG8FTN009EW | 20x150 | ¾x6 | 80 | 75 | |
| | | | | | | FPG8FTN010EW | 25x150 | 1x6 | 80 | 40 | |
| | | | | | | FPG8FTN011EW | 32x150 | 1¼x6 | 80 | 30 | |
| | | | | | | FPG8FTN012EW | 40x150 | 1½x6 | 80 | 25 |  Female Transition Nipple (F.T.N.) (F) |
| | | | | | | FPG8FTN007EW | 50x150 | 2x6 | 80 | 18 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

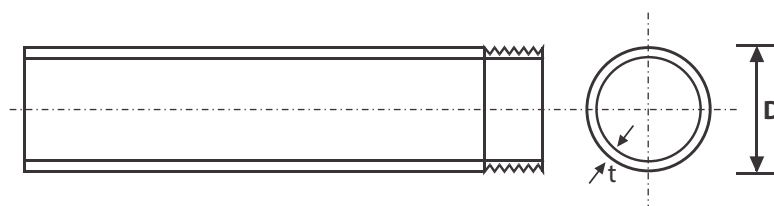
1 Mpa = 10 Kgf/cm², 1 Kgf/cm² = 14.20 psi. Pipes and fittings are offered in off white (OW) colour. F - Fabricated, SCH - Schedule (Pressure class)

| Item Code | Size in mm | Size in inch | SCH | Box Qty. | | Item Code | Size in mm | Size in inch | SCH | Box Qty. | |
|--|------------|--------------|-----|----------|--|--------------------|------------|--------------|-----|----------|---|
| FPG8FTN015EW | 65x150 | 2½x6 | 80 | 15 |  Female Transition Nipple (F.T.N.) (F) | 1602606 | | | | |  Strap Wrench |
| FPG8FTN014EW | 80x150 | 3x6 | 80 | 10 | | (Suitable upto 3") | | | | | |
| FPG8FTN013EW | 100x150 | 4x6 | 80 | 8 | | | | | | |  Metal Clamp |
| | | | | | | 4100351 | 15 | ½ | | | |
| | | | | | | 4100352 | 20 | ¾ | | | |
| | | | | | | 4100353 | 25 | 1 | | | |
| | | | | | | 4100354 | 32 | 1¼ | | | |
| | | | | | | 4100355 | 40 | 1½ | | | |
| | | | | | | 4100356 | 50 | 2 | | | |
| | | | | | | 4100357 | 65 | 2½ | | | |
| | | | | | | 4100358 | 80 | 3 | | | |
| | | | | | | 4100359 | 100 | 4 | | | |
| | | | | | | 4100360 | 150 | 6 | | | |
| FPG8NP4001EW | 15 | ½ | 80 | |  Pipe Nipple (Threaded- 4" long) | 4100462 | 15 | ½ | | |  U - Bolt Clamp |
| FPG8NP4002EW | 20 | ¾ | 80 | | | 4100463 | 20 | ¾ | | | |
| FPG8NP4003EW | 25 | 1 | 80 | | | 4100464 | 25 | 1 | | | |
| FPG8NP4004EW | 32 | 1¼ | 80 | | | 4100465 | 32 | 1¼ | | | |
| FPG8NP4005EW | 40 | 1½ | 80 | | | 4100466 | 40 | 1½ | | | |
| FPG8NP4006EW | 50 | 2 | 80 | | | 4100467 | 50 | 2 | | | |
| FPG8NP4007EW | 65 | 2½ | 80 | | | 4100468 | 65 | 2½ | | | |
| FPG8NP4008EW | 100 | 4 | 80 | | | | | | | | |
| From 15 to 50mm (½" to 2") sizes these are available in 80 to 300mm (3", 4", 6", 7", 8", 9" & 12") standard length. 65 to 100mm (2½" to 4") sizes are available in 150mm (6") standard length. | | | | | | | | | | | |

1 Mpa = 10 Kg/cm², 1 Kg/cm² = 14.20 psi. Pipes and fittings are offered in off white (OW) colour. F - Fabricated, SCH - Schedule (Pressure class)

High Pressure uPVC Threaded Pipes

These pipes are manufactured as per ASTM D-1785 standards and are available in SCH 40, 80 and 120 pressure classes. These pipes are generally used for plumbing, water supply and for lowering jet pumps in the borewells. These pipes are not recommended to use with aqua Gold[®] fittings. ASTM threaded pipes are 40-50% cheaper than GI pipes and offer all advantages of aqua Gold[®] pipes. Dimensions and pressure ratings of these pipes are given in the table below.



Dimensions and water pressure rating at 23°C for pipes as per ASTM D-1785 threaded as per IS:554 (PVC compound grade equivalent to PVC 1120/2120)

| Nominal size | | Outside diameter (D) in mm | Schedule 40 | | | Schedule 80 | | | Schedule 120 | | |
|--------------|----|-------------------------------|--------------------------|--------------------------------------|-----|--------------------------|--------------------------------------|-----|--------------------------|--------------------------------------|-----|
| | | | Wall thickness (t) in mm | Working pressure kgf/cm ² | psi | Wall thickness (t) in mm | Working pressure kgf/cm ² | psi | Wall thickness (t) in mm | Working pressure kgf/cm ² | psi |
| 15 | ½ | 21.34 ± 0.10 | 2.77 + 0.51 | 20.7 | 300 | 3.73 + 0.51 | 29.0 | 420 | 4.32 + 0.51 | 35.2 | 510 |
| 20 | ¾ | 26.67 ± 0.10 | 2.87 + 0.51 | 16.5 | 240 | 3.91 + 0.51 | 23.4 | 340 | 4.32 + 0.51 | 26.9 | 390 |
| 25 | 1 | 33.40 ± 0.13 | 3.38 + 0.51 | 15.5 | 225 | 4.55 + 0.53 | 22.1 | 320 | 5.08 + 0.61 | 24.8 | 360 |
| 32 | 1¼ | 42.16 ± 0.13 | 3.56 + 0.51 | 12.7 | 185 | 4.85 + 0.58 | 17.9 | 260 | 5.46 + 0.66 | 20.7 | 300 |
| 40 | 1½ | 48.26 ± 0.15 | 3.68 + 0.51 | 11.4 | 165 | 5.08 + 0.61 | 16.5 | 240 | 5.72 + 0.68 | 18.6 | 270 |
| 50 | 2 | 60.32 ± 0.15 | 3.91 + 0.51 | 09.6 | 140 | 5.54 + 0.66 | 13.8 | 200 | 6.35 + 0.76 | 16.5 | 240 |
| #65 | 2½ | 75.20 ± 0.10 | 5.16 + 0.61 | 10.3 | 150 | 7.01 + 0.48 | 14.5 | 210 | 7.62 + 0.91 | 15.9 | 230 |
| 80 | 3 | 88.90 ± 0.20 | 5.49 + 0.66 | 08.9 | 130 | 7.62 + 0.91 | 13.1 | 190 | 8.89 + 1.07 | 15.2 | 220 |
| 100 | 4 | 114.30 ± 0.23 | 6.02 + 0.71 | 07.6 | 110 | 8.56 + 1.02 | 11.0 | 160 | 11.10 + 1.32 | 15.2 | 220 |
| 125 | 5 | 141.30 ± 0.25 | 6.55 + 0.79 | 06.5 | 90 | 9.52 + 1.14 | 09.7 | 140 | 12.70 + 1.52 | 13.7 | 200 |
| 150 | 6 | 168.28 ± 0.28 | 7.11 + 0.86 | 06.5 | 90 | 10.97 + 1.32 | 09.7 | 140 | 14.27 + 1.70 | 13.1 | 190 |
| 200 | 8 | 219.08 ± 0.38 | 8.18 + 0.99 | 05.5 | 80 | 12.70 + 1.52 | 08.3 | 120 | -- | -- | -- |

1 Mpa = 10 Kgf/cm², 1 Kgf/cm² = 14.20 psi

Note: Pressure rating of the pipes in threaded conditions reduces to half compared to unthreaded (aqua Gold[®]) pipes. These pipes are not recommended for solvent weld joints. #65mm (2½") pipe dimensions are as per company standards.

THE SYSTEM

Supreme Lifeline® C-PVC, manufactured using world's best Japanese material and technology, is an ideal solution for hot and cold water usage. This system is one of the best substitutes for GI piping in water supply and distribution and for industrial applications. The pipes and fittings are made of chlorinated polyvinyl chloride and available in complete range from 15 to 50mm dia (½" to 2") as per copper tube sizes (CTS). The pipes are available in SDR 11 and SDR 13.5 whereas fittings are available in SDR 11 class. Pipes and most running fittings in SDR 9 i.e., heavy pressure class in 20 and 25mm dia (¾" and 1") are also available. Pipes and fittings in CTS are manufactured according to IS:15778 and ASTM D-2846 respectively. Threaded inserts in the transition fittings are made from brass to withstand chemical corrosion at elevated temperatures.

The choice of the raw material, the structural accuracy and the strict quality control imparts a high degree of reliability to Supreme Lifeline® C-PVC. Lifeline® is the most suitable, easy and economic solution for transportation and distribution of potable water. It is technically much superior, cost effective and offers many advantages over GI and other conventional systems.

Fields of application

Lifeline® C-PVC is designed for hot and cold water supply in residential, commercial and public projects, high and low rise buildings, corporate houses and academic institutes, solar heater applications etc. It is suitable for all uptake and down take lines, terrace looping and concealed pipe work applications.



PIPES

Pipe dimensions and pressure rating chart as per IS:15778 (CTS series)

| Nominal size | | Outer diameter (mm) | | SDR - 9 (company standard) | | | | SDR - 11 | | | | SDR - 13.5 | | | |
|--------------|------|---------------------|------|----------------------------|------|---------------------|------|---------------------|------|---------------------|------|---------------------|------|---------------------|------|
| | | | | Wall thickness (mm) | | Working pressure at | | Wall thickness (mm) | | Working pressure at | | Wall thickness (mm) | | Working pressure at | |
| | | | | | | | | | | | | | | | |
| mm | inch | Min | Max | Min | Max | Kg/cm ² | | Min | Max | Kg/cm ² | | Min | Max | Kg/cm ² | |
| 15 | ½ | 15.8 | 16.0 | - | - | - | - | 1.70 | 2.20 | 28.14 | 6.93 | 1.40 | 1.90 | 22.23 | 5.60 |
| 20 | ¾ | 22.1 | 22.3 | 2.50 | 3.00 | 35.20 | 8.80 | 2.00 | 2.50 | 28.14 | 6.93 | 1.70 | 2.20 | 22.23 | 5.60 |
| 25 | 1 | 28.5 | 28.7 | 3.20 | 3.80 | 34.20 | 8.80 | 2.60 | 3.10 | 28.14 | 6.93 | 2.10 | 2.60 | 22.23 | 5.60 |
| 32 | 1¼ | 34.8 | 35.0 | - | - | - | - | 3.20 | 3.70 | 28.14 | 6.93 | 2.60 | 3.10 | 22.23 | 5.60 |
| 40 | 1½ | 41.2 | 41.4 | - | - | - | - | 3.80 | 4.30 | 28.14 | 6.93 | 3.10 | 3.60 | 22.23 | 5.60 |
| 50 | 2 | 53.9 | 54.1 | - | - | - | - | 4.90 | 5.50 | 28.14 | 6.93 | 4.00 | 4.60 | 22.23 | 5.60 |

Note: When connected to gas water heater, C-PVC should not be located within 50cm of the flue. For water heaters lacking reliable temperature control, this distance may be increased up to 1m. A metal nipple or flexible appliance connector should be utilized.

FEATURES AND BENEFITS

High quality and wide range - The system consists of pipes and a wide range of fittings with company manufactured, NSF approved international quality solvent cements, which makes the system complete in all respect.

Excellent resistance to corrosion and chemical attacks - Lifeline® is completely free from corrosion and offers excellent resistance to great number of chemicals like strong mineral acids and bases.

Most suitable for carrying potable water - Being free from corrosion and negative biological effects it does not break down even under the harshest water conditions and hence the quality of water never deteriorates.

Light weight, easy and quick assembly - Light weight and simple solvent cement jointing methods results in extensive saving on time, labour and costs.

Tough and rigid material - C-PVC has a much higher strength modulus than other thermoplastics used in plumbing applications. Due to its tough and rigid material properties, Lifeline® can withstand higher pressure and temperatures. It requires lesser number of supports with minimum offsets or looping.

Leak proof joints - Jointing with special solvent cement manufactured and supplied by the company ensures 100% leak proof joints.

Low thermal expansion - As the co-efficient of thermal expansion is low, expansion due to temperature variations is reduced and hence unsightly snaking of pipes can be avoided.








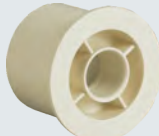
Superior insulation properties - Lifeline® has better insulation properties than metal pipes which reduces heat loss and consequent insulation costs.







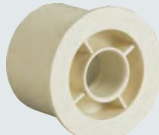
Fire resistance - Lifeline® C-PVC does not support combustion.

Maintenance free - Being free from rusting, pitting or scaling and galvanic or electrolytic corrosion, maintenance is minimal.

Highly economical in long run - This system is more cost effective than any other plumbing system in the long run.

FITTINGS

| Item Code | Size in mm | Size in inch | SDR | Box Qty. | |
|--------------|------------|--------------|-----|----------|--|
| MC1P9CPL002E | 20 | ¾ | 9 | 600 |  Coupler |
| MC1P9CPL003I | 25 | 1 | 9 | 300 | |
| MC1P1CPL001I | 15 | ½ | 11 | 150 | |
| MC1P1CPL002I | 20 | ¾ | 11 | 600 | |
| MC1P1CPL003I | 25 | 1 | 11 | 300 | |
| MC1P1CPL004I | 32 | 1¼ | 11 | 80 | |
| MC1P1CPL005I | 40 | 1½ | 11 | 55 | |
| MC1P1CPL006I | 50 | 2 | 11 | 20 | |
| MC1P9ELB002I | 20 | ¾ | 9 | 400 |  Elbow 90° |
| MC1P9ELB003I | 25 | 1 | 9 | 200 | |
| MC1P1ELB001I | 15 | ½ | 11 | 400 | |
| MC1P1ELB002I | 20 | ¾ | 11 | 400 | |
| MC1P1ELBW02I | 20 | ¾ | 11 | 400 | |
| (w/o rib) | | | | | |
| MC1P1ELB003I | 25 | 1 | 11 | 200 | |
| MC1P1ELB004I | 32 | 1¼ | 11 | 40 | |
| MC1P1ELB005I | 40 | 1½ | 11 | 25 |  Elbow 45° |
| MC1P1ELBW05I | 40 | 1½ | 11 | 75 | |
| (w/o rib) | | | | | |
| MC1P1ELB006I | 50 | 2 | 11 | 15 | |
| MC1P1BDF001I | 15 | ½ | 11 | 330 | |
| MC1P1BDF002I | 20 | ¾ | 11 | 225 | |
| MC1P1BDF003I | 25 | 1 | 11 | 100 | |
| MC1P1BDF004I | 32 | 1¼ | 11 | 60 | |
| MC1P1BDF005I | 40 | 1½ | 11 | 30 |  Reducing Elbow |
| MC1P1BDF006I | 50 | 2 | 11 | 15 | |
| MC1P1REL2X1I | 20x15 | ¾x½ | 11 | 200 | |
| MC1P1REL3X1I | 25x15 | 1x½ | 11 | 150 | |
| MC1P1REL3X2I | 25x20 | 1x¾ | 11 | 100 | |
| MC1P1REL4X2I | 32x20 | 1¼x¾ | 11 | 70 | |
| MC1P1REL5X2I | 40x20 | 1½x¾ | 11 | 50 | |
| MC1P1REL5X3I | 40x25 | 1½x1 | 11 | 50 | |
| FCP0REL002EW | 32x25 | 1¼x1 (F) | 11 | 100 |  Three Way Elbow |
| FCP0REL003EW | 40x32 | 1½x1¼ (F) | 11 | 20 | |
| FCP0REL006EW | 50x25 | 2x1 (F) | 11 | 35 | |
| FCP0REL001EW | 50x32 | 2x1¼ (F) | 11 | 35 | |
| FCP0REL004EW | 50x40 | 2x1½ (F) | 11 | 35 | |
| MC1P1TWE002I | 20 | ¾ | 11 | 100 | |
| MC1P9TEE002I | 20 | ¾ | 9 | 300 |  Equal Tee |
| MC1P9TEE003I | 25 | 1 | 9 | 120 | |
| MC1P1TEE001I | 15 | ½ | 11 | 300 | |
| MC1P1TEE002I | 20 | ¾ | 11 | 300 | |
| MC1P1TEEW02I | 20 | ¾ | 11 | 300 | |
| (w/o rib) | | | | | |
| MC1P1TEE003I | 25 | 1 | 11 | 150 | |
| MC1P1TEE004I | 32 | 1¼ | 11 | 30 |  Reducing Tee |
| MC1P1TEE005I | 40 | 1½ | 11 | 50 | |
| MC1P1TEE006I | 50 | 2 | 11 | 10 | |
| MC1P1RTE2X1I | 20x15 | ¾x½ | 11 | 60 | |
| MC1P1RTE3X1I | 25x15 | 1x½ | 11 | 60 | |
| MC1P1RTE3X2I | 25x20 | 1x¾ | 11 | 60 | |
| MC1P1RTE4X2I | 32x20 | 1¼x¾ | 11 | 40 | |
| MC1P1RTE4X3I | 32x25 | 1¼x1 | 11 | 40 |  Reducing Bush |
| MC1P1RTE5X2I | 40x20 | 1½x¾ | 11 | 35 | |
| MC1P1RTE5X3I | 40x25 | 1½x1 | 11 | 25 | |
| MC1P1RTE5X4I | 40x32 | 1½x1¼ | 11 | 25 | |







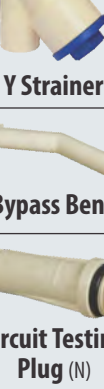











| Item Code | Size in mm | Size in inch | SDR | Box Qty. | |
|--------------|------------|--------------|-----|----------|---|
| MC1P1RTE6X1I | 50x15 | 2x½ | 11 | 15 |  Reducing Tee |
| MC1P1RTE6X2I | 50x20 | 2x¾ | 11 | 15 | |
| MC1P1RTE6X3I | 50x25 | 2x1 | 11 | 15 | |
| MC1P1RTE6X4I | 50x32 | 2x1¼ | 11 | 12 | |
| MC1P1RTE6X5I | 50x40 | 2x1½ | 11 | 12 | |
| FCP0RET020EW | 32x15 (F) | 1¼x½ | 11 | 100 | |
| FCP0RET025EW | 40x15 (F) | 1½x½ | 11 | 70 | |
| MC1P1CRT001I | 15 | ½ | 11 | 50 |  Cross Tee |
| MC1P1CRT002I | 20 | ¾ | 11 | 100 | |
| MC1P1CRT003I | 25 | 1 | 11 | 120 | |
| MC1P1CRT004I | 32 | 1¼ | 11 | 60 | |
| NC1P1UNI001I | 15 | ½ | 11 | 30 |  Union |
| NC1P1UNC002I | 20 | ¾ | 11 | 50 | |
| NC1P1UNN002I | 20 (new) | ¾ | 11 | 80 | |
| NC1P1UNI003I | 25 | 1 | 11 | 60 | |
| NC1P1UNI004I | 32 | 1¼ | 11 | 30 | |
| NC1P1UNI005I | 40 | 1½ | 11 | 20 | |
| NC1P1UNI006I | 50 | 2 | 11 | 10 | |
| NC1P1UNT002I | 20 | ¾ | 11 | 80 |  Union (Threaded) |
| NC1P1UNT003I | 25 | 1 | 11 | 50 | |
| NC1P1UNT004I | 32 | 1¼ | 11 | 30 | |
| MC1P9RED3X2I | 25x20 | 1x¾ | 9 | 120 |  Reducer |
| MC1P1RED2X1I | 20x15 | ¾x½ | 11 | 300 | |
| MC1P1RED3X1I | 25x15 | 1x½ | 11 | 200 | |
| MC1P1RED3X2I | 25x20 | 1x¾ | 11 | 120 | |
| MC1P1RED4X1I | 32x15 | 1¼x½ | 11 | 40 | |
| MC1P1RED4X2I | 32x20 | 1¼x¾ | 11 | 120 | |
| MC1P1RED4X3I | 32x25 | 1¼x1 | 11 | 100 | |
| MC1P1RED5X2I | 40x20 | 1½x¾ | 11 | 70 | |
| MC1P1RED5X3I | 40x25 | 1½x1 | 11 | 80 | |
| MC1P1RED5X4I | 40x32 | 1½x1¼ | 11 | 50 | |
| MC1P1RED6X3I | 50x25 | 2x1 | 11 | 40 | |
| MC1P1RED6X4I | 50x32 | 2x1¼ | 11 | 35 | |
| MC1P1RED6X5I | 50x40 | 2x1½ | 11 | 30 | |
| FCP0RED003EW | 40x20 | 1½x¾ (F) | 11 | | |
| FCP0RED002EW | 50x20 | 2x¾ (F) | 11 | 50 | |
| MC1P1ECP001I | 15 | ½ | 11 | 600 |  End Cap |
| MC1P1ECP002I | 20 | ¾ | 11 | 400 | |
| MC1P1ECP003I | 25 | 1 | 11 | 240 | |
| MC1P1ECP004I | 32 | 1¼ | 11 | 150 | |
| MC1P1ECP005I | 40 | 1½ | 11 | 90 | |
| MC1P1ECP006I | 50 | 2 | 11 | 30 | |
| MC1P1REB2X1I | 20x15 | ¾x½ | 11 | 800 |  Reducing Bush |
| MC1P1REB3X1I | 25x15 | 1x½ | 11 | 300 | |
| MC1P1REB3X2I | 25x20 | 1x¾ | 11 | 350 | |
| MC1P1REB4X1I | 32x15 | 1¼x½ | 11 | 45 | |
| MC1P1REB4X2I | 32x20 | 1¼x¾ | 11 | 150 | |
| MC1P1REB4X3I | 32x25 | 1¼x1 | 11 | 150 | |
| MC1P1REB5X1I | 40x15 | 1½x½ | 11 | 30 | |
| MC1P1REB5X2I | 40x20 | 1½x¾ | 11 | 100 | |
| MC1P1REB5X3I | 40x25 | 1½x1 | 11 | 100 | |
| MC1P1REB5X4I | 40x32 | 1½x1¼ | 11 | 100 | |
| MC1P1REB6X2I | 50x20 | 2x¾ | 11 | 20 | |
| MC1P1REB6X3I | 50x25 | 2x1 | 11 | 50 | |
| MC1P1REB6X4I | 50x32 | 2x1¼ | 11 | 50 | |
| MC1P1REB6X5I | 50x40 | 2x1½ | 11 | 50 | |

Pipes and fitting offered upto 50mm (2") are as per CTS standards. SDR-Standard dimension ratio (Pressure class).

| Item Code | Size in mm | Size in inch | SDR/ SCH | Box Qty. | | Item Code | Size in mm | Size in inch | SDR/ SCH | Box Qty. | | |
|--------------|------------|--------------|----------|----------|---|---|---|--------------|----------|----------|--|---|
| MC1P81RB001I | 15x15 | ½x½ | 11 | 300 |  Transition Bush | MC2P9FTA3X1I | 25x15 | 1x½ | 9 | 150 |  FTA (Brass) | |
| MC1P81RB002I | 20x20 | ¾x¾ | 11 | 400 | | MC2P1FTA001I | 15 | ½ | 11 | 50 | | |
| MC1P81RB003I | 25x25 | 1x1 | 11 | 100 | | MC2P1FTA002I | 20 | ¾ | 11 | 50 | | |
| MC1P81RB004I | 32x32 | 1¼x1¼ | 11 | 40 | | MC2P1FTA003I | 25 | 1 | 11 | 30 | | |
| MC1P81RB005I | 40x40 | 1½x1½ | 11 | 30 | | MC2P1FTA004I | 32 | 1¼ | 11 | 12 | | |
| MC1P81RB006I | 50x50 | 2x2 | 11 | 20 | | MC2P1FTA005I | 40 | 1½ | 11 | 10 | | |
| MC1P1MTA001I | 15 | ½ | 11 | 500 |  MTA (Plastic) | MC2P1FTA006I | 50 | 2 | 11 | 6 |  MTA (Brass) | |
| MC1P1MTA002I | 20 | ¾ | 11 | 600 | | MC2P1FTA2X1I | 20x15 | ¾x½ | 11 | 160 | | |
| MC1P1MTA003I | 25 | 1 | 11 | 120 | | MC2P1FTA3X1I | 25x15 | 1x½ | 11 | 100 | | |
| MC1P1MTA004I | 32 | 1¼ | 11 | 60 | | MC2P1FTA3X2I | 25x20 | 1x¾ | 11 | 100 | | |
| MC1P1MTA005I | 40 | 1½ | 11 | 50 | | MC2P1MTA001I | 15 | ½ | 11 | 50 | | |
| MC1P1MTA006I | 50 | 2 | 11 | 30 | | MC2P1MTA002I | 20 | ¾ | 11 | 50 | | |
| MC1P1RMT2X1I | 20x15 | ¾x½ | 11 | 300 | | MC2P1MTA003I | 25 | 1 | 11 | 30 | | |
| MC1P1RMT3X2I | 25x20 | 1x¾ | 11 | 200 | | MC2P1MTA004I | 32 | 1¼ | 11 | 12 | | |
| MC1P1RMT4X3I | 32x25 | 1¼x1 | 11 | 100 | | MC2P1MTA005I | 40 | 1½ | 11 | 10 | | |
| MC1P1FTA001I | 15 | ½ | 11 | 300 |  FTA (Plastic) | MC2P1MTA006I | 50 | 2 | 11 | 6 |  RMTA (Brass) | |
| MC1P1FTA002I | 20 | ¾ | 11 | 200 | | MC2P1MTR2X1I | 20x15 | ¾x½ | 11 | 100 | | |
| MC1P1FTA003I | 25 | 1 | 11 | 120 | | MC2P1MTA2X1I | 20x15 | ¾x½ | 11 | 150 | | |
| MC1P1FTA004I | 32 | 1¼ | 11 | 60 | | MC2P1MTR3X1I | 25x15 | 1x½ | 11 | 40 | | |
| MC1P1FTA005I | 40 | 1½ | 11 | 40 | | MC2P1MTR3X2I | 25x20 | 1x¾ | 11 | 30 | | |
| MC1P1FTA006I | 50 | 2 | 11 | 20 | | MC1P1WYE004I | 32 | 1¼ | 11 | 30 | | |
| MC1P1RFT2X1I | 20x15 | ¾x½ | 11 | 300 | |  Single Y | NC1P1BLV002I | 20 | ¾ | 11 | 40 | |
| MC1P1RFT4X3I | 32x25 | 1¼x1 | 11 | 100 | | | NC1P1BL1101I | 15 | ½ | 11 | 125 | |
| MC2P9FTE2X1I | 20x15 | ¾x½ | 9 | 240 | NC1P1BVLTO2I | | 20 | ¾ | 11 | 60 | | |
| MC2P9FTE3X1I | 25x15 | 1x½ | 9 | 100 | NC1P1BVLTO3I | | 25 | 1 | 11 | 32 | | |
| MC2P1FTE001I | 15 | ½ | 11 | 160 | NC1P1BVLTO4I | | 32 | 1¼ | 11 | 12 | | |
| MC2P1FTE2X2I | 20 | ¾ | 11 | 100 | NC1P1BVLTO5I | | 40 | 1½ | 11 | 14 | | |
| MC2P1FTE003I | 25 | 1 | 11 | 50 | NC1P1BVLTO6I | | 50 | 2 | 11 | 2 | | |
| MC2P1FTE004I | 32 | 1¼ | 11 | 15 |  Ball Valve | | NC1P1BVUN03I | *20 | ¾ | 11 | | |
| MC2P1FTE2X1I | 20x15 | ¾x½ | 11 | 300 | | NC1P1UBVP04I | 25 | 1 | 11 | | | |
| MC2P1FEW2X2I | 20x15 | ¾x½ | 11 | 300 | | NC1P1UBVT04I | 32 | 1¼ | 11 | 16 | | |
| (w/o rib) | | | | | |  Union Ball Valve (Plain) | NC1P1UBVT04I | 32 | 1¼ | 11 | 16 | |
| MC2P1FTE3X1I | 25x15 | 1x½ | 11 | 100 | | |  Union Ball Valve (Threaded) | NC2P1CVF002I | 20 | ¾ | 11 | 9 |
| MC2P1FTE3X2I | 25x20 | 1x¾ | 11 | 80 | | | | | | | | |
| MC2P1FTE4X1I | 40x15 | 1¼x½ | 11 | 75 | | | | | | | | |
| MC2P1MTE2X1I | 20x15 | ¾x½ | 11 | 120 | |  Male Threaded Elbow (Brass) | | | | | | |
| MC2P9RTE3X1I | 25x15 | 1x½ | 9 | 100 |  Female Threaded Tee (Brass) | | | | | | | |
| MC2P1FTT001I | 15 | ½ | 11 | 120 | | | | | | | | |
| MC2P1FTT002I | 20 | ¾ | 11 | 60 | | | | | | | | |
| MC2P1FTT003I | 25 | 1 | 11 | 20 | | | | | | | | |
| MC2P1FTT004I | 32 | 1¼ | 11 | 30 | | | | | | | | |
| MC2P1FTT2X1I | 20x15 | ¾x½ | 11 | 240 | | | | | | | | |
| MC2P1FTT3X1I | 25x15 | 1x½ | 11 | 60 | | | | | | | | |
| MC2P1FTT3X2I | 25x20 | 1x¾ | 11 | 60 | |  Male Threaded Tee (Brass) | | | | | | |
| MC2P1FTT4X1I | 32x15 | 1¼x½ | 11 | 50 | | | | | | | | |
| MC2P1MTT2X1I | 20x15 | ¾x½ | 11 | 100 |  Concealed Valve | | | | | | | |
















Pipes and fitting offered upto 50mm (2") are as per CTS standards. F-Fabricated, SDR-Standard dimension ratio (Pressure class).

*Marked product will be shortly introduced

| Item Code | Size in mm | Size in inch | SDR/ SCH | Box Qty. | | Item Code | Size in mm | Size in inch | SDR/ SCH | Box Qty. | |
|----------------------|------------|--------------|----------|----------|---|--------------|------------|--------------|----------|----------|---|
| NC2P1CVQAB2I | 20 | ¾ | 11 | 9 |  Concealed Valve (Quarter Turn) | MC1P1ELH1X1I | 15 | ½ | | 100 |  Elbow Holder |
| | | | | | | MC1P1ELH2X1I | 20x15 | ¾x½ | | 200 | |
| NC2P1CVQAH2I | 20 | ¾ | 11 | 9 | | MC1P1PCL001I | 15 | ½ | | 800 | |
| | | | | | | MC1P1PCL002I | 20 | ¾ | | 600 | |
| NC2P1CVQDN1I | 15 | ½ | 11 | 9 |  Concealed Valve (Quarter Turn) New design | MC1P1PCL003I | 25 | 1 | | 600 |  Pipe Clip |
| NC2P1CVQDN2I | 20 | ¾ | 11 | 9 | | MC1P1PCL004I | 32 | 1¼ | | 300 | |
| NC2P1CVQDN3I | 25 | 1 | 11 | 9 | | MC1P1PCL005I | 40 | 1½ | | 200 | |
| | | | | | | MC1P1PCL006I | 50 | 2 | | 160 | |
| NC2P1CVSQR2I (Short) | 20 | ¾ | 11 | 10 |  Concealed Valve (Quarter Turn) New design | MC1P1PCN001I | 15 | ½ | | 800 |  Pipe Clip (N) |
| NC2P1CVLQR2I (Long) | 20 | ¾ | 11 | 10 | | MC1P1PCN004I | 32 | 1¼ | | 300 | |
| NC2P1CVSQS2I (Short) | 20 | ¾ | 11 | 10 | | MC1P1PCN005I | 40 | 1½ | | 200 | |
| NC2P1CVLQS2I (Long) | 20 | ¾ | 11 | 10 | | MC1P1PCN006I | 50 | 2 | | 160 | |
| NC2P1CVSQT2I (Short) | 20 | ¾ | 11 | 10 |  Concealed Valve (Quarter Turn) New design | MC1P1PCC002I | 20 | ¾ | | 600 |  Pipe Clip (C) |
| NC2P1CVLQT2I (Long) | 20 | ¾ | 11 | 10 | | MC1P1PCC003I | 25 | 1 | | 500 | |
| | | | | | | NC1P1PCL002I | 20 | ¾ | 11 | 400 | |
| | | | | | | NC1P1PCL003I | 25 | 1 | 11 | 300 | |
| NC2P1STH002I | 20 | ¾ | 11 | 10 |  Screw Tap with Handwheel | | | | | |  Pipe Clamp with Nail |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| MC2P1YST003I | 25 | 1 | 11 | 12 |  Y Strainer | NC1P1FVS006I | *40 | 1½ | 11 | |  Flange Van Stone Style |
| MC2P1YST004I | 32 | 1¼ | 11 | 6 | | | 50 | 2 | 11 | 10 | |
| MC2P1YST005I | 40 | 1½ | 11 | 3 | | | | | | | |
| MC2P1YST006I | 50 | 2 | 11 | 2 | | | | | | | |
| NP2G8YSTPC3E | 25 | 1 | 11 | 12 |  Bypass Bend | MC1P1HNP001I | 15 | ½ | 11 | 400 |  Hex Nipple |
| NP2G8YSTPC4E | 32 | 1¼ | 11 | 6 | | MC1P1HNP002I | 20 | ¾ | 11 | 225 | |
| NP2G8YSTPC5E | 40 | 1½ | 11 | 3 | | MC1P1HNP003I | 25 | 1 | 11 | 140 | |
| NP2G8YSTPC6E | 50 | 2 | 11 | 2 | | MC1P1HNP004I | 32 | 1¼ | 11 | 80 | |
| MC1P1BPB001I | 15 | ½ | 11 | 100 |  Circuit Testing Plug (N) | MC1P1HNP005I | 40 | 1½ | 11 | 60 |  Non Return Valve (NRV) |
| MC1P1BPB002I | 20 | ¾ | 11 | 100 | | MC1P1HNP006I | 50 | 2 | 11 | 40 | |
| MC1P1BPB003I | 25 | 1 | 11 | 60 | | NC1P1NRV002I | 20 | ¾ | 11 | 24 | |
| | | | | | | NC1P1NRV003I | 25 | 1 | 11 | 18 | |
| | | | | | | | *32 | 1¼ | 11 | |  Tank Air Vent |
| | | | | | | | *40 | 1½ | 11 | | |
| | | | | | | | *50 | 2 | 11 | | |
| | | | | | | | | | | | |
| MC1P1CRP001I | 15 | ½ | 11 | 270 | | NC1P1TAV002I | 20 | ¾ | 11 | 80 |  Tank Air Vent |
| | | | | | | NC1P1TAV003I | 25 | 1 | 11 | 25 | |
| | | | | | | NC1P1TAV005I | 40 | 1½ | 11 | 30 | |

Pipes and fitting offered upto 50mm (2") are as per CTS standards. F-Fabricated, SDR-Standard dimension ratio (Pressure class).

*Marked product will be shortly introduced

| Item Code | Size in mm | Size in inch | SDR/ SCH | Box Qty. | | Item Code | Size in mm | Size in inch | SDR/ SCH | Box Qty. | |
|--------------|------------|--------------|----------|----------|--|--------------|------------|--------------|----------|----------|--|
| MC1P1HRP1X7I | 15x7 | ½x7mm | 11 | 300 |  Hole Repairing Coupler | FCP0WMS0006I | 20x15 | ¾x½ | | 10 |  Wall Mixer Fixture Set (Top & Side) |
| MC1P1HRP2X7I | 20x7 | ¾x7mm | 11 | 200 | | FCP0WMS0003I | 25x15 | 1x½ | | 10 | |
| MC1P1HRP211I | 20x11 | ¾x11mm | 11 | 400 | | | | | | | |
| MC1P1HRP3X7I | 25x7 | 1x7mm | 11 | 160 | | | | | | | |
| NC1P1TCM002I | 20 | ¾ | 11 | 80 |  Tank Connector (MT/MT) | | | | | |  Wall Mixer Fixture Set (Top & Bottom) |
| NC1P1TCM003I | 25 | 1 | 11 | 50 | | FCP0WMS0004I | 20x15 | ¾x½ | | 10 | |
| NC1P1TCM004I | 32 | 1¼ | 11 | 30 | | FCP0WMS0005I | 25x15 | 1x½ | | 10 | |
| | | | | | | | | | | | |
| NC1P1TCR001I | 15 | ½ | 11 | 100 |  Tank Connector (MT/FT) | | | | | |  Bypass Bend (F) |
| NC1P1TCR002I | 20 | ¾ | 11 | 80 | | FCP0BPB010EW | 32 | 1¼ | 11 | 30 | |
| NC1P1TCR003I | 25 | 1 | 11 | 50 | | FCP0BPB011EW | 40 | 1½ | 11 | 20 | |
| NC1P1TCR004I | 32 | 1¼ | 11 | 30 | | FCP0BPB012EW | 50 | 2 | 11 | 35 | |
| NC1P1TCR005I | 40 | 1½ | 11 | 20 | | | | | | | |
| NC1P1TCS002I | 20 | ¾ | 11 | 100 |  Tank Connector (MT/Soc) | | | | | |  Long Swept Bend |
| NC1P1TCS003I | 25 | 1 | 11 | 50 | | MC1P1LSB002I | 20 | ¾ | 11 | 100 | |
| NC1P1TCS004I | 32 | 1¼ | 11 | 25 | | MC1P1LSB003I | 25 | 1 | 11 | 120 | |
| NC1P1TCS005I | 40 | 1½ | 11 | 50 | | MC1P1LSB004I | 32 | 1¼ | 11 | 75 | |
| NC1P1TCS006I | 50 | 2 | 11 | 30 | | | | | | | |
| FCP0RTC001EW | 50 | 2 (F) | 11 | 25 |  Tank Connector (for R.C.C. tank) (MT/Spig) (F) | | | | | |  Bend (F) |
| | | | | | | FCP0BNS001EW | 15 | ½ | 11 | 125 | |
| | | | | | | FCP0BNS002EW | 20 | ¾ | 11 | 75 | |
| | | | | | | FCP0BNS003EW | 25 | 1 | 11 | 100 | |
| NC1P1TCL002I | 20 | ¾ | 11 | 60 |  Tank Connector Long (MT/Spig) | FCP0BNS004EW | 32 | 1¼ | 11 | 50 |  Short Bend (F) |
| NC1P1TCL003I | 25 | 1 | 11 | 100 | | FCP0BNS005EW | 40 | 1½ | 11 | 30 | |
| NC1P1TCL004I | 32 | 1¼ | 11 | 50 | | FCP0BNS006EW | 50 | 2 | 11 | 50 | |
| NC1P1TCL005I | 40 | 1½ | 11 | 40 | | | | | | | |
| NC1P1TCL006I | 50 | 2 | 11 | 25 | | | | | | | |
| MC1P1WMF002I | 20x15 | ¾x½ | | 20 |  Wall Mixer Fixture | FCP0SB9001EW | 25 | 1 | 11 | 125 |  Metal Clamp |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| FCP0WMS0001I | 20x15 | ¾x½ | | 10 |  Wall Mixer Fixture Set (all top) | 4100339 | 15 | ½ | | | |
| FCP0WMS0002I | 25x15 | 1x½ | | 10 | | 4100340 | 20 | ¾ | | | |
| | | | | | | 4100341 | 25 | 1 | | | |
| | | | | | | 4100342 | 32 | 1¼ | | | |
| | | | | | | 4100343 | 40 | 1½ | | | |
| | | | | | | 4100344 | 50 | 2 | | | |

Pipes and fitting offered upto 50mm (2") are as per CTS standards. F-Fabricated, SDR-Standard dimension ratio (Pressure class).
*Marked product will be shortly introduced

THE SYSTEM

C-PVC (Chlorinated Polyvinyl Chloride) has become a popular choice because of its superior material properties like high glass transition temperature, higher heat distortion temperature, extraordinary mechanical properties and chemical inertness together with its cost effectiveness. Supreme Lifelineplus C-PVC manufactured using world's best Japanese material and technology, is an ideal solution for hot and cold water, transportation of different chemicals and various other applications in industrial sector. This system is one of the best substitutes for GI and other metal piping systems being used for industrial applications. Choice of the raw material and strict quality control in production, gives these products a high degree of reliability which makes Lifelineplus C-PVC a preferred choice of quality conscious customers.

To meet the industrial requirements, pipes and fittings are made available up to 250mm dia (10") in IPS (Iron Pipe Size) series. Both the pipes and fittings are available in SCH 40 and SCH 80 pressure class. Pipes are made as per the ASTM F441 whereas the fittings are made as per ASTM F438 and F 439.

Fields of application

Supreme Lifelineplus C-PVC piping system is an ideal choice for Metal industries and treatment plants, Paper and pulp industries, Chemical, Fertilizer and Pharmaceutical industries, Food and beverage industries, Water and waste water treatment plants, Sugar and cement industries, RO plants etc.

FEATURES AND BENEFITS

- Excellent resistance to corrosion and chemical attacks
- Superior insulation properties- Low coefficient of thermal conductivity hence less insulation cost.
- Excellent temperature resistance up to 93°C
- Resistant to fire
- Use of NSF approved international quality raw material and availability of own manufactured NSF approved solvent cements
- Simple and leak proof joints
- Maintenance free
- Long service life



PIPES

Pipe dimensions and pressure rating chart as per ASTM F-441 (IPS series)

| Nominal size | | Outer diameter (mm) | | Schedule 40 | | | | Schedule 80 | | | |
|--------------|------|---------------------|--------|---------------------|-------|---------------------|------|---------------------|-------|---------------------|------|
| | | | | Wall thickness (mm) | | Working pressure at | | Wall thickness (mm) | | Working pressure at | |
| | | | | | | | | | | | |
| mm | inch | Min | Max | Min | Max | 23°C | 82°C | Min | Max | 23°C | 82°C |
| 65 | 2½ | 72.84 | 73.20 | 5.16 | 5.77 | 21.10 | 5.20 | 7.01 | 7.85 | 29.50 | 7.30 |
| 80 | 3 | 88.70 | 89.10 | 5.49 | 6.15 | 18.20 | 4.50 | 7.62 | 8.53 | 26.00 | 6.30 |
| 100 | 4 | 114.07 | 114.53 | 6.02 | 6.73 | 15.40 | 3.80 | 8.56 | 9.58 | 22.50 | 5.60 |
| 150 | 6 | 168.02 | 168.58 | 7.11 | 7.97 | 12.65 | 3.16 | 10.97 | 12.29 | 19.68 | 4.92 |
| 200 | 8 | 218.72 | 219.48 | 8.18 | 9.17 | 11.24 | 2.81 | 12.70 | 14.22 | 17.57 | 4.21 |
| 250 | 10 | 272.72 | 273.48 | 9.27 | 10.39 | 9.84 | 2.46 | 15.06 | 16.86 | 16.17 | 3.86 |

Note : • Recommended de-rating factors should be applied before selecting any component for particular temperature and pressure. • C-PVC is not suitable or recommended for polar organic solvents and compressed air applications. • Max. allowable pressure for flanged connections is 10kg/cm².

FITTINGS

| Item Code | Size in mm | Size in inch | SCH | Box Qty. |
|-----------|------------|--------------|-----|----------|
|-----------|------------|--------------|-----|----------|

| | | | | |
|--------------|-----|----|----|----|
| MC1P4CPL007I | 65 | 2½ | 40 | 15 |
| MC1P4CPL008I | 80 | 3 | 40 | 10 |
| MC1P4CPL009I | 100 | 4 | 40 | 14 |

| | | | | |
|--------------|-----|----|----|----|
| MC1P8CPL007I | 65 | 2½ | 80 | 15 |
| MC1P8CPL008I | 80 | 3 | 80 | 8 |
| MC1P8CPL009I | 100 | 4 | 80 | 9 |
| MC1P8CPL010I | 150 | 6 | 80 | 3 |
| MC1P8CPL011I | 200 | 8 | 80 | 3 |



Coupler

| | | | | |
|--------------|-----|----|----|----|
| MC1P4ELB007I | 65 | 2½ | 40 | 8 |
| MC1P4ELB008I | 80 | 3 | 40 | 10 |
| MC1P4ELB009I | 100 | 4 | 40 | 5 |



| | | | | |
|--------------|-----|----|----|----|
| MC1P8ELB007I | 65 | 2½ | 80 | 8 |
| MC1P8ELB008I | 80 | 3 | 80 | 10 |
| MC1P8ELB009I | 100 | 4 | 80 | 4 |
| MC1P8ELB010I | 150 | 6 | 80 | 2 |
| MC1P8ELB011I | 200 | 8 | 80 | 1 |



Elbow 90°

| | | | | |
|--------------|-----|----|----|----|
| MC1P8BDF007I | 65 | 2½ | 80 | 10 |
| MC1P8BDF008I | 80 | 3 | 80 | 6 |
| MC1P8BDF009I | 100 | 4 | 80 | 2 |



Elbow 45°

| | | | | |
|--------------|-----|----|----|---|
| MC1P4TEE007I | 65 | 2½ | 40 | 5 |
| MC1P4TEE008I | 80 | 3 | 40 | 8 |
| MC1P4TEE009I | 100 | 4 | 40 | 3 |



| | | | | |
|--------------|-----|----|----|---|
| MC1P8TEE007I | 65 | 2½ | 80 | 5 |
| MC1P8TEE008I | 80 | 3 | 80 | 7 |
| MC1P8TEE009I | 100 | 4 | 80 | 3 |
| MC1P8TEE010I | 150 | 6 | 80 | 2 |
| MC1P8TEE011I | 200 | 8 | 80 | 1 |



Equal Tee

| | | | | |
|--------------|--------|-----|----|---|
| MC1P8RT10X8I | 150x80 | 6x3 | 80 | 2 |
|--------------|--------|-----|----|---|



Reducing Tee

| | | | | |
|--------------|--------|------------|-------|----|
| MC1P81RT7X3I | 65x25 | 2½x1 | 11/80 | 6 |
| MC1P81RT7X4I | 65x32 | 2½x1¼ | 11/80 | 8 |
| MC1P81RT7X5I | 65x40 | 2½x1½ | 11/80 | 8 |
| MC1P81RT7X6I | 65x50 | 2½x2 | 11/80 | 5 |
| MC1P81RT8X6I | 80x50 | 3x2 | 11/80 | 4 |
| MC1P81RT9X3I | 100x25 | 4x1 | 11/80 | 8 |
| MC1P81RT9X6I | 100x50 | 4x2 | 11/80 | 6 |
| FCP0RET014EW | 65x20 | 2½x3/4 (F) | 11/80 | 15 |



Reducing Tee (IPS x CTS)

| Item Code | Size in mm | Size in inch | SCH | Box Qty. |
|-----------|------------|--------------|-----|----------|
|-----------|------------|--------------|-----|----------|

| | | | | |
|--------------|--------|------|----|----|
| FCP0RET014EW | 65x20 | 2½x¾ | 80 | |
| FCP0RET021EW | 80x25 | 3x1 | 80 | 25 |
| FCP0RET022EW | 80x32 | 3x1¼ | 80 | 25 |
| FCP0RET017EW | 80x40 | 3x1½ | 80 | 25 |
| FCP0RET012EW | 80x65 | 3x2½ | 80 | 20 |
| FCP0RET032EW | 100x32 | 4x1¼ | 80 | 15 |
| FCP0RET018EW | 100x40 | 4x1½ | 80 | 15 |
| FCP0RET023EW | 100x65 | 4x2½ | 80 | 10 |
| FCP0RET024EW | 100x80 | 4x3 | 80 | 10 |



Reducing Tee (F)

| | | | | |
|--------------|-----|----|----|---|
| NC1P8UNI007I | 65 | 2½ | 80 | 6 |
| NC1P8UNI008I | 80 | 3 | 80 | 3 |
| NC1P8UNI009I | 100 | 4 | 80 | 2 |



Union

| | | | | |
|--------------|---------|------|----|----|
| MC1P8RED8X7I | 80x65 | 3x2½ | 80 | 10 |
| MC1P8RED9X7I | 100x65 | 4x2½ | 80 | 4 |
| MC1P8RED9X8I | 100x80 | 4x3 | 80 | 12 |
| MC1P8RED5X9I | 150x100 | 6x4 | 80 | 5 |
| MC1P8REDEXS | 200x150 | 8x6 | 80 | 2 |



Reducer

| | | | | |
|--------------|--------|-------|-------|----|
| MC1P81RD7X2I | 65x20 | 2½x¾ | 11/80 | 20 |
| MC1P81RD7X4I | 65x32 | 2½x1¼ | 11/80 | 20 |
| MC1P81RD8X6I | 80x50 | 3x2 | 11/80 | 12 |
| MC1P81RD9X6I | 100x50 | 4x2 | 11/80 | 6 |



Reducer (IPS x CTS)

| | | | | |
|--------------|---------|-------|----|----|
| FCP0RED018EW | 150x100 | 6x4 | 40 | 10 |
| FCP0RED004EW | 65x40 | 2½x1½ | 80 | |
| FCP0RED005EW | 65x50 | 2½x2 | 80 | |
| FCP0RED019EW | 80x32 | 3x1¼ | 80 | 20 |
| FCP0RED015EW | 80x40 | 3x1½ | 80 | |
| FCP0RED016EW | 80x50 | 3x2 | 80 | |
| FCP0RED006EW | 100x40 | 4x1½ | 80 | 15 |
| FCP0RED017EW | 100x65 | 4x2½ | 80 | |



Reducer (F)

| | | | | |
|--------------|-----|----|----|----|
| MC1P8ECP007I | 65 | 2½ | 80 | 20 |
| MC1P8ECP008I | 80 | 3 | 80 | 12 |
| MC1P8ECP009I | 100 | 4 | 80 | 8 |



End Cap

| | | | | |
|--------------|--------|----------|-------|----|
| MC1P81RB7X6I | 65x50 | 2½x2 | 11/80 | 30 |
| FGP8REB031EW | 80x25 | 3x1 (F) | 11/80 | |
| FGP8REB030EW | 80x32 | 3x1¼ (F) | 11/80 | |
| FGP8REB029EW | 80x40 | 3x1½ (F) | 11/80 | |
| MC1P81RB8X6I | 80x50 | 3x2 | 11/80 | 20 |
| MC1P81RB9X6I | 100x50 | 4x2 | 11/80 | 9 |





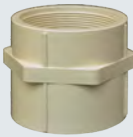









Reducing Bush (IPS x CTS)

| | | | | |
|--------------|---------|------|----|----|
| MC1P8REB8X5I | 80x40 | 3x1½ | 80 | 10 |
| MC1P8REB8X7I | 80x65 | 3x2½ | 80 | 12 |
| MC1P8REB9X7I | 100x65 | 4x2½ | 80 | 12 |
| MC1P8REB9X8I | 100x80 | 4x3 | 80 | 12 |
| MC1P8REBTX9I | 150x100 | 6x4 | 80 | 3 |



Reducing Bush

Pipes and fitting offered from 65 to 200mm (2½" to 8") are in SCH 40 & 80 which are as per IPS pipe size (inch series like aqua Gold®). SCH-Schedule (Pressure class), F-Fabricated, SDR-Standard dimension ratio (Pressure class)

| Item Code | Size in mm | Size in inch | SDR/ SCH | Box Qty. | | Item Code | Size in mm | Size in inch | SDR/ SCH | Box Qty. | |
|--------------|------------|--------------|----------|----------|--|--------------|------------|--------------|----------|----------|--|
| FCP0MTA006EW | 150 | 6 (F) | 40 | 1 |  MTA (Plastic) | MC1P8BFL007I | 65 | 2½ | 80 | 12 |  Blind Flange |
| MC1P8MTA007I | 65 | 2½ | 80 | 15 | | MC1P8BFL008I | 80 | 3 | 80 | 10 | |
| MC1P8MTA008I | 80 | 3 | 80 | 12 | | MC1P8BFL009I | 100 | 4 | 80 | 3 | |
| MC1P8MTA009I | 100 | 4 | 80 | 12 | | | | | | | |
| MC1P8FTA007I | 65 | 2½ | 80 | 12 |  FTA (Plastic) | NC1P8BLV007I | 65 | 2½ | 80 | 1 |  Ball Valve |
| MC1P8FTA008I | 80 | 3 | 80 | 12 | | NC1P8BLV008I | 80 | 3 | 80 | 1 | |
| MC1P8FTA009I | 100 | 4 | 80 | 4 | | | | | | | |
| | | | | | | | | | | | |
| MC2P8MTA007I | 65 | 2½ | 80 | 6 |  MTA (Brass) | NC1P8BVUN07I | 65 | 2½ | 80 | 4 |  Ball Valve with Union |
| MC2P8MTA008I | 80 | 3 | 80 | 3 | | NC1P8BVUN08I | 80 | 3 | 80 | 3 | |
| MC2P8MTA009I | 100 | 4 | 80 | 2 | | | | | | | |
| | | | | | | | | | | | |
| MC2P8FTA007I | 65 | 2½ | 80 | 6 |  FTA (Brass) | NC2P8YST007I | 65 | 2½ | 80 | 1 |  Y Strainer |
| MC2P8FTA008I | 80 | 3 | 80 | 4 | | NC2P8YST008I | 80 | 3 | 80 | 1 | |
| MC2P8FTA009I | 100 | 4 | 80 | 2 | | | | | | | |
| | | | | | | | | | | | |
| MC1P8FLA007I | 65 | 2½ | 80 | 6 |  Flange Adapter | FCP0RTC002EW | 65 | 2½ | 80 | 15 |  Tank Connector (for R.C.C. tank) (MT/Spg) (F) |
| MC1P8FLA008I | 80 | 3 | 80 | 5 | | FCP0RTC003EW | 80 | 3 | 80 | 10 | |
| MC1P8FLA009I | 100 | 4 | 80 | 6 | | FCP0RTC004EW | 100 | 4 | 80 | 8 | |
| MC1P8FLA010I | 150 | 6 | 80 | 3 | | | | | | | |
| NC1P8FVS007I | 65 | 2½ | 80 | 6 |  Flange Van Stone Style | FCP0BNS007EW | 65 | 2½ | 40 | 15 |  Bend (F) |
| NC1P8FVS008I | 80 | 3 | 80 | 5 | | FCP0BNS008EW | 80 | 3 | 40 | 10 | |
| NC1P8FVS009I | 100 | 4 | 80 | 8 | | FCP0BNS009EW | 100 | 4 | 40 | 4 | |
| NC1P8FVS011I | 200 | 8 | 80 | 2 | | FCP0BNS012EW | 150 | 6 | 40 | 1 | |

Pipes and fitting offered from 65 to 200mm (2½" to 8") are in SCH 40 & 80 which are as per IPS pipe size (inch series like aqua Gold®). SCH-Schedule (Pressure class), F-Fabricated, SDR-Standard dimension ratio (Pressure class).

THE SYSTEM

Designed for hot and cold water application, Supreme indo green® PP-R is the latest and most suitable system for all plumbing applications. Besides plumbing, this system can also be used for varieties of applications. The specific chemical structure of indo green® PP-R provides well balanced mechanical properties and superior long term heat resistance. More importantly, the water flowing through it does not have any negative biological effects and hence remain most hygienic. Thus, it is highly suitable for potable water application. The system has been in use for more than 30 years in Europe, Gulf, China Russia and gained good acceptance across the world.

Raw Material

The Supreme indo green® pipes and fittings are manufactured using polypropylene random copolymer type-3 (PP-R), supplied by the reputed European companies which has Bodycote certification - an independent International testing body certifying the long term performance of raw material. It has high molecular weight and excellent creep resistance which are fundamental characteristics for the transportation of hot fluids under pressure.

Product Specifications and Range

Supreme indo green® PP-R pipes are manufactured according to IS:15801 whereas fittings are manufactured as per ISO:15874 standards. The pipes and fittings in this category are available in the dimensions from 20 to 160mm. Pipes are supplied in 3m length in SDR-11, 7.4 and 6 pressure class, whereas moulded fittings are available in the highest PN20 or PN25 pressure class. 160 mm fittings are also available in PN10 and PN16 class. All threaded inserts in the transition fittings are made of brass to withstand chemical corrosion at elevated temperatures. Supreme indo green® PP-R pipes are UV-resistant making them immune to damaging effects of sun rays.

FEATURES AND BENEFITS

Light weight, easy and quick assembly - Results in extensive saving in time and labour.

Ideal and safest system for carrying potable water - PP-R is absolutely free from corrosion and negative biological effects. It does not break down even under the harshest water conditions; hence the quality of water never deteriorates. It is in full compliance with the International standards on the use of plastics materials for the transportation of potable water.

Safe and watertight joints - Joints are made by fusion process using polyfusion device. This process gives homogeneous, integral and watertight joints, which lasts for long time.

Excellent resistance to corrosion and chemical attacks - PP-R pipes and fittings are stable against the majority of known aggressive and toxic chemicals, aggressive soils and fluids in the external environment.

Reduced head loss - Mirror smooth inside surface ensures high flow rates and very low frictional losses.

Low thermal conductivity - Results in saving in insulation cost, thereby reducing overall operational costs.

Free from scaling - Due to the unique properties of PP-R, limestone or other deposits cannot form and hence there is no scaling or blockage in the pipelines.

High impact strength - indo green® PP-R has a very good impact strength and hence no possibility of any breakage.

Low on sound - The sound dampening property of PP-R is a major advantage in plumbing, flushing and pressurized flow applications.

Long operational durability - indo green® PP-R ensures a minimum 50 years of trouble free performance.

Highly economical in long run - This system is most cost effective than any other plumbing system. Moreover, due to savings in installation and insulation cost, this system is even comparable with standard make class-B GI piping system.

Beside the above, it offers very good resistance to frost, abrasion and stray current and is considered to be the most suitable in seismic zones.

Distinguishing features of indo green® PP-R

Salient and unique features that set Supreme indo green® apart from other brands available in the market are: -

- Quality conformity with European and international standards.
- Manufactured from PP-R type-3, supplied by reputed European suppliers which have Bodycote (an independent international testing body) certification. Indigenously manufactured complete range of pipes and fittings from 20 to 160mm dia with necessary heating tools and accessories.
- Availability of fittings in PN20 pressure class.
- Long lasting - minimum 50 years of trouble free performance.

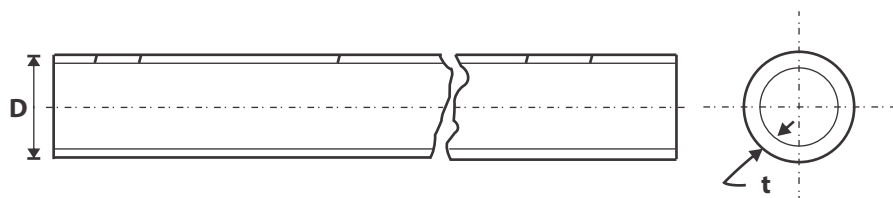
Fields of Application

Indo green® PP-R is designed for hot and cold water supply and heating applications and it is suitable for different applications listed below.

- Hot and cold water supply in residential, industrial, commercial and public projects.
- Solar heater applications.
- Drinking water and liquid foods.
- Watering systems for greenhouses and gardens.
- Transportation of aggressive fluids.
- Water purifying plants.
- Radiator heating.
- Traditional heating systems.
- Air distribution and compressed air systems.
- Chilled water and air conditioning.



PIPES









Pipe Dimensions as per IS:15801 specifications









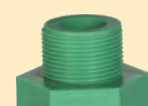
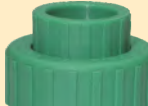











| Nominal Size (mm) | Outer Diameter (D) in mm | | SDR-11 (PN 10) | | SDR-7.4 (PN 16) | | SDR-6 (PN 20) | |
|-------------------|--------------------------|-------|--------------------------|-------|--------------------------|-------|--------------------------|-------|
| | | | Wall Thickness (t) in mm | | Wall Thickness (t) in mm | | Wall Thickness (t) in mm | |
| | Min | Max | Min | Max | Min | Max | Min | Max |
| 20 | 20.0 | 20.3 | 1.90 | 2.30 | 2.80 | 3.30 | 3.40 | 4.00 |
| 25 | 25.0 | 25.3 | 2.30 | 2.80 | 3.50 | 4.10 | 4.20 | 4.90 |
| 32 | 32.0 | 32.3 | 2.90 | 3.40 | 4.40 | 5.10 | 5.40 | 6.20 |
| 40 | 40.0 | 40.4 | 3.70 | 4.30 | 5.50 | 6.30 | 6.70 | 7.60 |
| 50 | 50.0 | 50.5 | 4.60 | 5.30 | 6.90 | 7.80 | 8.30 | 9.40 |
| 63 | 63.0 | 63.6 | 5.80 | 6.60 | 8.60 | 9.70 | 10.50 | 11.80 |
| 75 | 75.0 | 75.7 | 6.80 | 7.70 | 10.30 | 11.60 | 12.50 | 14.00 |
| 90 | 90.0 | 90.9 | 8.20 | 9.30 | 12.30 | 13.80 | 15.00 | 16.70 |
| 110 | 110.0 | 110.9 | 10.00 | 11.20 | 15.10 | 16.90 | 18.30 | 20.40 |
| 160 | 160.0 | 161.5 | 14.60 | 16.30 | 21.90 | 24.30 | 26.60 | 29.50 |

Note: (1.) Pipes are offered in indo green® (IG) colour with standard length of 3m, duly packed in plastic bags. (2.) Non standard length of 4m and 6m can be offered against bulk requirements. (3.) All dimensions unless otherwise specified are in mm. (4.) 160mm pipe is offered as per ISO:15874 standards.


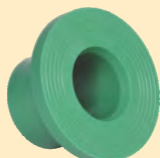
















FITTINGS

| Item Code | Size in mm | PN | Box Qty. | | Item Code | Size in mm | PN | Box Qty. | |
|--------------|------------|----|----------|---|--------------|------------|----|----------|---|
| MG1P2CPL020I | 20 | 25 | 280 |  Coupler | MG1P2TEE020I | 20 | 25 | 140 |  Equal Tee |
| MG1P2CPL025I | 25 | 25 | 200 | | MG1P2TEE025I | 25 | 25 | 200 | |
| MG1P2CPL032I | 32 | 25 | 300 | | MG1P2TEE032I | 32 | 25 | 120 | |
| MG1P2CPL040I | 40 | 25 | 60 | | MG1P2TEE040I | 40 | 25 | 30 | |
| MG1P2CPL050I | 50 | 25 | 40 | | MG1P2TEE050I | 50 | 25 | 16 | |
| MG1P2CPL063I | 63 | 25 | 20 | | MG1P2TEE063I | 63 | 25 | 10 | |
| MG1P2CPL075I | 75 | 20 | 12 | | MG1P2TEE075I | 75 | 20 | 4 | |
| MG1P2CPL090I | 90 | 20 | 6 | | MG1P2TEE090I | 90 | 20 | 6 | |
| MG1P2CPL110I | 110 | 20 | 3 |  Elbow 90° | MG1P2TEE110I | 110 | 20 | 3 |  *Reducing Tee |
| MG1P2ELB020I | 20 | 25 | 600 | | FGP6EQT160IG | 160 (BW) | 16 | L | |
| MG1P2ELB025I | 25 | 25 | 280 | | | | | | |
| MG1P2ELB032I | 32 | 25 | 180 | | MG1P2RTA025I | 25x20x25 | 25 | 100 | |
| MG1P2ELB040I | 40 | 25 | 90 | | MG1P2RTB032I | 32x20x32 | 25 | 60 | |
| MG1P2ELB050I | 50 | 25 | 20 | | MG1P2RTA032I | 32x25x32 | 25 | 60 | |
| MG1P2ELB063I | 63 | 20 | 12 | | MG1P2RTC040I | 40x20x40 | 25 | 40 | |
| MG1P2ELB075I | 75 | 20 | 5 | | MG1P2RTB040I | 40x25x40 | 25 | 30 | |
| MG1P2ELB090I | 90 | 20 | 3 |  *Reducing Elbow | MG1P2RTA040I | 40x32x40 | 25 | 40 | |
| MG1P2ELB110I | 110 | 20 | 4 | | MG1P2RTD050I | 50x20x50 | 25 | 20 | |
| 160 (BW) | 16 | L | | | MG1P2RTC050I | 50x25x50 | 25 | 20 | |
| MG1P2REA025I | 25x20 | 25 | 120 | | MG1P2RTB050I | 50x32x50 | 25 | 20 | |
| MG1P2REB032I | 32x20 | 25 | 80 | | MG1P2RTA050I | 50x40x50 | 25 | 16 | |
| MG1P2REA032I | 32x25 | 25 | 50 | | MG1P2RTD063I | 63x25x63 | 25 | 10 | |
| MG1P2REB040I | 40x25 | 20 | 50 | | MG1P2RTC063I | 63x32x63 | 25 | 10 | |
| MG1P2REA040I | 40x32 | 20 | 50 | | MG1P2RTB063I | 63x40x63 | 25 | 10 | |
| MG1P2REB050I | 50x32 | 20 | 40 |  Elbow 45° | MG1P2RTA063I | 63x50x63 | 25 | 10 | |
| MG1P2BDF020I | 20 | 25 | 250 | | MG1P2RTC075I | 75x40x75 | 20 | 5 | |
| MG1P2BDF025I | 25 | 25 | 160 | | MG1P2RTB075I | 75x50x75 | 20 | 5 | |
| MG1P2BDF032I | 32 | 25 | 100 | | MG1P2RTA075I | 75x63x75 | 20 | 5 | |
| MG1P2BDF040I | 40 | 25 | 50 | | MG1P2RTC090I | 90x50x90 | 20 | 6 | |
| MG1P2BDF050I | 50 | 25 | 30 | | MG1P2RTB090I | 90x63x90 | 20 | 6 | |
| MG1P2BDF063I | 63 | 20 | 12 | | MG1P2RTA090I | 90x75x90 | 20 | 6 | |
| MG1P2BDF075I | 75 | 20 | 8 | | | | | | |
| MG1P2BDF090I | 90 | 20 | 4 | | | | | | |









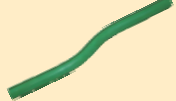
Except for flange adapter, bypass bend and male end of male/female reducer, all other fittings are female socketed. Threaded end of transition fittings are compatible with CP fittings. PN - Nominal Pressure, BW - Butt Welding *Reducing elbow 40x20, 50x40, 63x50, 75x63, 90x75, reducing tee's 25 to 63 with 16 mm branch, 63x20, 75x20, 32, 90x20, 32, 40 and 110x32, 40, 50, 63 are available in fabricated form.

| Item Code | Size in mm | PN | Box Qty. | | Item Code | Size in mm | PN | Box Qty. | |
|--------------|--------------|----|----------|---|---------------|------------|----|----------|--|
| MG1P2CRT020I | 20 | 20 | 45 |  Cross Tee | MG2P2FTT020I | 20x15 | 25 | 100 |  Female Threaded Tee |
| MG1P2CRT025I | 25 | 20 | 70 | | MG2P2FTT021I | 20x20 | 25 | 25 | |
| | | | | | MG2P2FTT025I | 25x15 | 25 | 80 | |
| | | | |  Reducer Male/Female | MG2P2FTT026I | 25x20 | 25 | 25 |  Male Threaded Elbow 90° |
| MG1P2RMA025I | 25x20 | 25 | 100 | | MG2P2FTT034I | 32x15 | 25 | 16 | |
| MG1P2RMB032I | 32x20 | 25 | 100 | | MG2P2FTT032I | 32x20 | 25 | 16 | |
| MG1P2RMA032I | 32x25 | 25 | 160 | | MG2P2FTT033I | 32x25 | 25 | 16 | |
| MG1P2RMC040I | 40x20 | 25 | 50 | | | | | | |
| MG1P2RMB040I | 40x25 | 25 | 100 | | MG2P2MTE020I | 20x15 | 25 | 100 |  Male Threaded Tee |
| MG1P2RMA040I | 40x32 | 25 | 100 | | MG2P2MTE021I | 20x20 | 25 | 40 | |
| MG1P2RMC050I | 50x25 | 25 | 36 | | MG2P2MTE025I | 25x15 | 25 | 40 | |
| MG1P2RMB050I | 50x32 | 25 | 40 | | MG2P2MTE026I | 25x20 | 25 | 30 | |
| MG1P2RMA050I | 50x40 | 25 | 20 | | MG2P2MTE032I | 32x20 | 25 | 20 | |
| MG1P2RMD063I | 63x25 | 20 | 20 | | MG2P2MTE033I | 32x25 | 25 | 16 |  Female Threaded Joint (FTA) |
| MG1P2RMC063I | 63x32 | 20 | 20 | | MG2P2MTE050I | 50x32 | 25 | 5 | |
| MG1P2RMB063I | 63x40 | 20 | 36 | | | | | | |
| MG1P2RMA063I | 63x50 | 20 | 36 | | MG2P2MTT020I | 20x15 | 25 | 40 | |
| MG1P2RMB075I | 75x50 | 20 | 10 | | MG2P2MTT021I | 20x20 | 25 | 20 | |
| MG1P2RMS075I | 75x63 | 20 | 16 | | MG2P2MTT025I | 25x15 | 25 | 30 |  Male Threaded Joint (MTA) |
| MG1P2RMB090I | 90x63 | 20 | 10 | | MG2P2MTT026I | 25x20 | 25 | 25 | |
| MG1P2RMA090I | 90x75 | 20 | 10 | | MG2P2MTT032I | 32x20 | 25 | 14 | |
| MG1P2RMB110I | 110x75 | 20 | 12 | | MG2P2MTT033I | 32x25 | 25 | 12 | |
| MG1P2RMA110I | 110x90 | 20 | 8 | | | | | | |
| | | | |  Reducer Female/Female | MG2P2FTA020I | 20x15 | 25 | 150 |  M.T.A. (Plastic) |
| MG1P2RFA025I | 25x20 | 20 | 200 | | MG2P2FTA021I | 20x20 | 25 | 50 | |
| MG1P2RFA032I | 32x20 | 20 | 150 | | MG2P2FTA025I | 25x15 | 25 | 150 | |
| MG1P2RFA033I | 32x25 | 20 | 120 | | MG2P2FTA026I | 25x20 | 20 | 100 | |
| MG1P2RFB040I | 40x25 | 20 | 70 | | MG2P2FTA031I | 32x15 | 25 | 30 |  Union (Plastic) |
| MG1P2RFA040I | 40x32 | 20 | 50 | | MG2P2FTA032I | 32x20 | 25 | 30 | |
| MG1P2RFB050I | 50x32 | 20 | 24 | | MG2P2FTA033I | 32x25 | 25 | 60 | |
| MG1P2RFA050I | 50x40 | 20 | 20 | | MG2P2FTA040I | 40x32 | 25 | 40 | |
| MG1P2RFB063I | 63x40 | 20 | 15 | | MG2P2FTA041I | 40x40 | 25 | 12 | |
| MG1P2RFA063I | 63x50 | 20 | 8 |  End Cap | MG2P2FTA050I | 50x40 | 25 | 12 | |
| MG1P2RFB090I | 90x63 | 20 | 8 | | MG2P2FTA051I | 50x50 | 25 | 6 |  Union |
| MG1P2RFA110I | 110x90 | 20 | 3 | | MG2P2FTA063I | 63x50 | 25 | 8 | |
| | 160x90 (BW) | 10 | 8 | | | | | | |
| MG1PSRMB160I | 160x90 (BW) | 16 | 8 | | MG2P2MTA020I | 20x15 | 25 | 100 | |
| MG1PTRMA160I | 160x110 (BW) | 10 | 8 | | MG2P2MTA021I | 20x20 | 25 | 100 |  Union |
| MG1PSRMA160I | 160x110 (BW) | 16 | 8 | | MG2P2MTA025I | 25x15 | 25 | 100 | |
| | | | | | MG2P2MTA026I | 25x20 | 20 | 80 | |
| MG1P2ECP020I | 20 | 25 | 400 | | MG2P2MTA032I | 32x20 | 25 | 30 | |
| MG1P2ECP025I | 25 | 25 | 250 | | MG2P2MTA033I | 32x25 | 25 | 50 | |
| MG1P2ECP032I | 32 | 25 | 160 |  Female Threaded Elbow 90° | MG2P2MTA040I | 40x32 | 25 | 30 |  Union |
| MG1P2ECP040I | 40 | 25 | 100 | | MG2P2MTA041I | 40x40 | 20 | 6 | |
| MG1P2ECP050I | 50 | 20 | 63 | | MG2P2MTA050I | 50x40 | 25 | 20 | |
| MG1P2ECP063I | 63 | 20 | 12 | | MG2P2MTA051I | 50x50 | 20 | 6 | |
| FGP2ECP075IG | 75 (F) | 20 | 25 | | MG2P2MTA063I | 63x50 | 25 | 6 | |
| FGP2ECP090IG | 90 (F) | 20 | 40 | | MG2P2MTA075I | 75x65 | 25 | 6 |  Union |
| FGP2ECP110IG | 110 (F) | 20 | 30 | | MG2P2MTA090I | 90x80 | 25 | 4 | |
| | | | | | | | | | |
| MG2P2FTE020I | 20x15 | 25 | 150 | | MG1P2MTA020I | 20x15 | 20 | 200 | |
| MG2P2FTE021I | 20x20 | 25 | 40 | | MG1P2MTA021I | 20x20 | 20 | 200 |  Union |
| MG2P2FTE025I | 25x15 | 25 | 100 | | MG1P2MTA026I | 25x20 | 20 | 150 | |
| MG2P2FTE026I | 25x20 | 25 | 75 | | MG1P2MTA032I | 32x25 | 20 | 80 | |
| MG2P2FTE031I | 32x15 | 25 | 75 | | MG1P2MTA040I | 40x32 | 20 | 40 | |
| MG2P2FTE032I | 32x20 | 25 | 20 |  Female Threaded Elbow 90° | MG1P2MTA050I | 50x40 | 20 | 50 | |
| MG2P2FTE033I | 32x25 | 25 | 50 | | MG1P2MTA063I | 63x50 | 20 | 20 | |
| MG2P2FTE040I | 40x32 | 25 | 10 | | | | | |  Union |
| MG2P2FTE041I | 40x40 | 25 | 10 | | NG1P2UNI0020I | 20 | 20 | 75 | |
| MG2P2FTE051I | 50x40 | 25 | 8 | | NG1P2UNI0025I | 25 | 20 | 60 | |
| | | | | | NG1P2UNI0032I | 32 | 20 | 30 | |
| | | | | | | | | | |
| | | | | | NG2P2UNI020I | 20 | 20 | 40 |  Union |
| | | | | | NG2P2UNI025I | 25 | 20 | 50 | |
| | | | | | NG2P2UNI032I | 32 | 20 | 40 | |
| | | | | | NG2P2UNI040I | 40 | 20 | 10 | |
| | | | | | NG2P2UNI050I | 50 | 20 | 6 | |
| | | | | | NG2P2UNI063I | 63 | 20 | 4 | |
| MG2P2FTE019I | 20x15 | 25 | 50 |  Female Threaded Elbow 90° with supporting device | | | | | |

Except for flange adapter, bypass bend and male end of male/female reducer, all other fittings are female socketed. Threaded end of transition fittings are compatible with CP fittings. PN - Nominal Pressure, BW - Butt Welding.

| Item Code | Size in mm | PN | Box Qty. | | Item Code | Size in mm | PN | Box Qty. | |
|--|------------|----|----------|--|--|------------|----|----------|---|
| MG2P2UFT020I | 20x15 | 20 | 50 |  Union - Female Threaded | MG1P2FLA040I | 40 | 20 | 10 |  Flange Adapter |
| MG2P2UFT026I | 25x20 | 20 | 40 | | MG1P2FLA050I | 50 | 20 | 10 | |
| MG2P2UFT032I | 32x25 | 20 | 24 | | MG1P2FLA063I | 63 | 20 | 6 | |
| MG2P2UFT040I | 40x32 | 20 | 12 | | MG1P2FLA075I | 75 | 20 | 4 | |
| | | | | | MG1P2FLA090I | 90 | 20 | 6 | |
| | | | | MG1P2FLA110I | 110 | 20 | 4 | | |
| | | | | MG1P2FLA161I | 160 (BW) | 20 | 6 | | |
| MG2P2UMT020I | 20x15 | 20 | 50 |  Union - Male Threaded | Note: This adapter require metal flange and as it comes with spigot end, it require coupler to connect pipe. | | | | |
| MG2P2UMT026I | 25x20 | 20 | 40 | | | | | | |
| MG2P2UMT034I | 32x25 | 20 | 21 | | | | | | |
| MG2P2UMT040I | 40x32 | 20 | 10 | | | | | | |
| MG2P2UNS020I | 20 | 20 | 25 |  Union (SxS) | MG1P2FLG160I | 160 | | 11 |  PPR-Flange |
| MG2P2UNS025I | 25 | 20 | 20 | | | | | | |
| MG2P2UNS032I | 32 | 20 | 20 | | | | | | |
| | | | | | | | | | |
| MG2P2FTU020I | 20x15 | 20 | 50 |  Union - Female Threaded (SxFT) | NG2P2BVL020I | 20 | 20 | 8 |  Ball Valve |
| MG2P2FTU025I | 25x20 | 20 | 40 | | NG2P2BVL025I | 25 | 20 | 16 | |
| MG2P2FTU032I | 32x25 | 20 | 25 | | NG2P2BVL032I | 32 | 20 | 14 | |
| | | | | | NG2P2BVL040I | 40 | 20 | 4 | |
| | | | | NG2P2BVL050I | 50 | 20 | 4 | | |
| | | | | NG2P2BVL063I | 63 | 20 | 2 | | |
| NG2P2MTU020I | 20x15 | 20 | 40 |  Union - Male Threaded (SxMT) | | | | |  Concealed Valve |
| NG2P2MTU025I | 25x20 | 20 | 30 | | NG2P2CVF025I | 25 | 20 | 10 | |
| NG2P2MTU032I | 32x25 | 20 | 20 | | NG2P2CVF032I | 32 | 20 | 10 | |
| | | | | | | | | | |
| MG1P2SSW063I | 63x32 | 20 | 40 |  All Plastic Weld in Saddle | MG2P2STH020I | 20 | 20 | 10 |  Screw Tap with Handwheel |
| MG1P2SSW075I | 75x32 | 20 | 40 | | MG2P2STH025I | 25 | 20 | 10 | |
| MG1P2SSW090I | 90x32 | 20 | 40 | | MG2P2STH032I (Standard) | 32 | 20 | 10 | |
| MG1P2PWS110I | 110x40 | 20 | 15 | | MG2P2STL025I | 25 | 20 | 10 | |
| MG1P2PWS111I | 110x50 | 20 | 15 | | MG2P2STL032I (Long) | 32 | 20 | 10 | |
| MG1P2PWS160I | 160x50 | 20 | 15 | | | | | | |
| MG2P2SSF063I | 63x20 | 20 | 20 |  Weld in Saddle - Female Threaded | NG1P2TCR001I | 15 | 20 | 100 |  Tank Connector (MT/FT) |
| MG2P2SSF075I | 75x20 | 20 | 20 | | NG1P2TCR002I | 20 | 20 | 80 | |
| MG2P2SSF090I | 90x20 | 20 | 20 | | NG1P2TCR003I | 25 | 20 | 50 | |
| | | | | | NG1P2TCR004I | 40 | 20 | 30 | |
| | | | | NG1P2TCR005I | 50 | 20 | 25 | | |
| MG2P2SSM063I | 63x20 | 20 | 20 |  Weld in Saddle - Male Threaded | FGP2TCL021IG | 20 | 20 | 100 |  Tank Connector Long (MT/Spig) (F) |
| MG2P2SSM075I | 75x20 | 20 | 20 | | FGP2TCL026IG | 25 | 20 | 75 | |
| MG2P2SSM090I | 90x20 | 20 | 20 | | FGP2TCL033IG | 32 | 20 | 50 | |
| | | | | | FGP2TCL040IG | 40 | 20 | 20 | |
| | | | | | FGP2TCL050IG | 50 | 20 | 15 | |
| | | | | | FGP2TCL063IG | 63 | 20 | 9 | |
| | | | | | | | | | |
| MG2P2FLA063I | 63 | 20 | 4 |  Adapter with Integral Flange | MG1P2BPB020I | 20 | 20 | 60 |  Bypass Bend |
| MG2P2FLA075I | 75 | 20 | 4 | | MG1P2BPB025I | 25 | 20 | 40 | |
| MG2P2FLA090I | 90 | 20 | 5 | | MG1P2BPB032I | 32 | 20 | 20 | |
| MG2P2FLA110I | 110 | 20 | 4 | | | | | | |
| Note: This adapter does not require metal flange and as it comes with socketed end, it do not require coupler to connect pipe. | | | | | MG1P2CTP001I | 15 | 20 | 270 |  Circuit Testing Plug |
| | | | | | MG1P2CTP002I | 20 | 20 | 80 | |

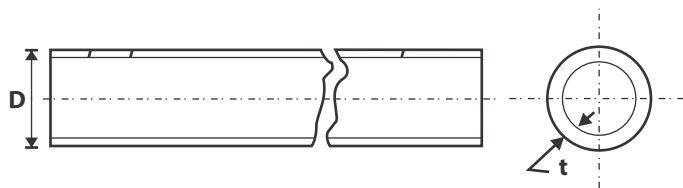
Except for flange adapter, bypass bend and male end of male/female reducer, all other fittings are female socketed. Threaded end of transition fittings are compatible with CP fittings. PN - Nominal Pressure, F- Fabricated, S-Socket, MT- Male Thread, FT- Female Thread, Spg- Spigot.

| Item Code | Size in mm | PN | Box Qty. | | Item Code | Size in mm | PN | Box Qty. | |
|--------------|------------|----|----------|---|---|---------------|----|----------|---|
| MG1P2TPG001I | 15 | 20 | 900 |  Threaded Plug | FGP2BN9020I | 20 | 20 | 125 |  Bend 90° (F) |
| MG1P2TPG002I | 20 | 20 | 1000 | | FGP2BN9025I | 25 | 20 | 100 | |
| MG1P2TPG003I | 25 | 20 | 400 | | FGP2BN9032I | 32 | 20 | 40 | |
| MG1P2HRP007I | 7 | | 50 |  Hole Repairing Plug | FGP2SB1110I | 110 mm 11.25° | 20 | L |  Short Bend (BW) |
| MG1P2HRP011I | 11 | | 50 | | FGP6SB1160I | 160 mm 11.25° | 16 | L | |
| MG1P2PCL020I | 20 | | 500 |  Pipe Clip (Plastic) | FGP2SB2110I | 110 mm 22.5° | 20 | L | |
| MG1P2PCL025I | 25 | | 400 | | FGP6SB2160I | 160 mm 22.5° | 16 | L | |
| MG1P2PCL032I | 32 | | 320 | | FGP2SB3110I | 110 mm 30° | 20 | L | |
| MG1P2PCL040I | 40 | | 240 | | FGP6SB3160I | 160 mm 30° | 16 | L | |
| MG1P2PCL050I | 50 | | 90 | | FGP2SB4110I | 110 mm 45° | 20 | L | |
| MG1P2PCL063I | 63 | | 30 | | FGP6SB4160I | 160 mm 45° | 16 | L | |
| | | | | | FGP2SB6110I | 110 mm 60° | 20 | L | |
| | | | | | FGP6SB6160I | 160 mm 60° | 16 | L | |
| 4100349 | 72-78 | | |  Metal Clamp with Rubber Seal | FGP1BPB020IG | 20 | 20 | 75 |  Bypass Bend (F) |
| 4100616 | 102-116 | | | | FGP1BPB025IG | 25 | 20 | 50 | |
| | | | | | FGP1BPB032IG | 32 | 20 | 35 | |
| | | | | | FGP1BPB040IG | 40 | 20 | 20 | |
| | | | | | Bend 90° in PN 20 pressure class are offered in 20mm to 63mm sizes. | | | | |
| FGP2EXL020I | 20 | 20 | 10 |  Expansion Loop (F) | FGP2OSB020IG | 20 | 20 | 75 |  Offset Bend (F) |
| FGP2EXL025I | 25 | 20 | 8 | | FGP2OSB025IG | 25 | 20 | 75 | |
| FGP2EXL032I | 32 | 20 | 5 | | FGP2OSB032IG | 32 | 20 | 30 | |
| FGP2EXL040I | 40 | 20 | 1 | | | | | | |

Except for flange adapter, bypass bend and male end of male/female reducer, all other fittings are female socketed. Threaded end of transition fittings are compatible with CP fittings. PN - Nominal Pressure, BW - Butt welding, F- Fabricated, MT- Male Thread, FT- Female Thread, Spg- Spigot



PIPES






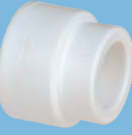






PP-R Pipe Dimensions Chart

| Nominal Size (mm) | Outer Diameter (D) in mm | | SDR-6 (PN 20) Wall Thickness (t) in mm | |
|-------------------|--------------------------|-------|--|-------|
| | Min | Max | Min | Max |
| 25 | 25.00 | 25.30 | 4.20 | 4.90 |
| 32 | 32.00 | 32.30 | 5.40 | 6.20 |
| 40 | 40.00 | 40.40 | 6.70 | 7.60 |
| 50 | 50.00 | 50.50 | 8.30 | 9.40 |
| 63 | 63.00 | 63.60 | 10.50 | 11.80 |


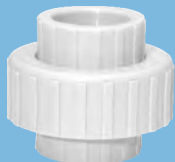














Note: Pipes are offered in white colour with standard length of 3m, duly packed in plastic bags.

FITTINGS

| Item Code | Size in mm | PN | Box Qty. | | Item Code | Size in mm | PN | Box Qty. | |
|--------------|------------|----|----------|--|--------------|------------|----|----------|---|
| MG1P2CPL025W | 25 | 20 | 200 |  Coupler | MG1P2RTA025W | 25x20 | 20 | 100 |  Reducing Tee |
| MG1P2CPL032W | 32 | 20 | 300 | | MG1P2RTB032W | 32x20 | 20 | 60 | |
| MG1P2CPL040W | 40 | 20 | 60 | | MG1P2RTA032W | 32x25 | 20 | 60 | |
| MG1P2CPL050W | 50 | 20 | 40 | | MG1P2RTC040W | 40x20 | 20 | 40 | |
| MG1P2CPL063W | 63 | 20 | 20 | | MG1P2RTB040W | 40x25 | 20 | 30 | |
| | | | | | MG1P2RTC050W | 50x25 | 20 | 20 | |
| MG1P2ELB025W | 25 | 20 | 280 |  Elbow 90° | MG1P2RTB050W | 50x32 | 20 | 20 |  Cross Tee |
| MG1P2ELB032W | 32 | 20 | 180 | | MG1P2RTA050W | 50x40 | 20 | 16 | |
| MG1P2ELB040W | 40 | 20 | 90 | | MG1P2RTD063W | 63x25 | 20 | 10 | |
| MG1P2ELB050W | 50 | 20 | 20 | | MG1P2RTB063W | 63x40 | 20 | 10 | |
| MG1P2ELB063W | 63 | 20 | 12 | | MG1P2RTA063W | 63x50 | 20 | 10 | |
| MG1P2REA025W | 25x20 | 20 | 120 |  Reducing Elbow | MG1P2CRT025W | 25 | 20 | 70 |  Reducer Male/Female |
| MG1P2REB032W | 32x20 | 20 | 80 | | | | | | |
| MG1P2REA032W | 32x25 | 20 | 50 | | | | | | |
| MG1P2REB040W | 40x25 | 20 | 50 | | | | | | |
| MG1P2REA040W | 40x32 | 20 | 50 | | | | | | |
| MG1P2REB050W | 50x32 | 20 | 40 | | | | | | |
| MG1P2BDF025W | 25 | 20 | 160 |  Elbow 45° | MG1P2RMA025W | 25x20 | 20 | 100 |  Equal Tee |
| MG1P2BDF032W | 32 | 20 | 100 | | MG1P2RMB032W | 32x20 | 20 | 100 | |
| MG1P2BDF040W | 40 | 20 | 50 | | MG1P2RMA032W | 32x25 | 20 | 160 | |
| MG1P2BDF050W | 50 | 20 | 30 | | MG1P2RMC040W | 40x20 | 20 | 50 | |
| | | | | | MG1P2RMB040W | 40x25 | 20 | 100 | |
| MG1P2TEE025W | 25 | 20 | 200 |  Equal Tee | MG1P2RMA040W | 40x32 | 20 | 100 |  Reducer Female/Female |
| MG1P2TEE032W | 32 | 20 | 120 | | MG1P2RFA025W | 25x20 | 20 | 200 | |
| MG1P2TEE040W | 40 | 20 | 30 | | MG1P2RFB032W | 32x20 | 20 | 150 | |
| MG1P2TEE050W | 50 | 20 | 16 | | MG1P2RFB040W | 40x25 | 20 | 70 | |
| MG1P2TEE063W | 63 | 20 | 10 | | MG1P2RFA040W | 40x32 | 20 | 50 | |
| | | | | | MG1P2RFB050W | 50x32 | 20 | 24 | |
| | | | | | MG1P2RFA050W | 50x40 | 20 | 20 | |














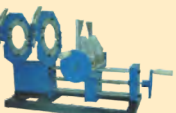

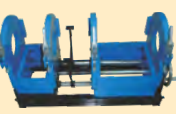
Except for flange adapter, bypass bend and male end of male/female reducer, all other fittings are female socketed. Threaded end of transition fittings are compatible with CP fittings. PN - Nominal Pressure, F- Fabricated, S- Socket, MT- Male Thread, FT- Female Thread, Spg- Spigot.

FITTINGS

| Item Code | Size in mm | PN | Box Qty. | | Item Code | Size in mm | PN | Box Qty. | |
|--------------|------------|----|----------|---|--------------|------------|----|----------|--|
| MG1P2ECP025W | 25 | 20 | 250 |  End Cap | NG1P2UNI025W | 25 | 20 | 60 |  Union (Plastic) |
| MG1P2ECP032W | 32 | 20 | 160 | | NG1P2UNI032W | 32 | 20 | 30 | |
| MG1P2ECP040W | 40 | 20 | 100 | | | | | | |
| MG2P2FTE025W | 25x15 | 20 | 100 |  Female Threaded Elbow 90° | NG2P2UNS025W | 25 | 20 | 20 |  Union (SxS) |
| MG2P2FTE026W | 25x20 | 20 | 75 | | NG2P2UNS032W | 32 | 20 | 15 | |
| MG2P2FTE032W | 32x20 | 20 | 20 | | NG2P2UNI050W | 50 | 20 | 6 | |
| MG2P2FTE033W | 32x25 | 20 | 50 | | NG2P2UNI063W | 63 | 20 | 4 | |
| MG2P2FTE040W | 40x32 | 20 | 10 | | | | | | |
| MG2P2FTT025W | 25x15 | 20 | 80 |  Female Threaded Tee | NG2P2FTU025W | 25x20 | 20 | 40 |  Union - Female Threaded (SxFT) |
| MG2P2FTT026W | 25x20 | 20 | 25 | | NG2P2FTU032W | 32x25 | 20 | 25 | |
| MG2P2FTT034W | 32x15 | 20 | 16 | | | | | | |
| MG2P2FTT032W | 32x20 | 20 | 16 | | | | | | |
| MG2P2FTT033W | 32x25 | 20 | 16 | | | | | | |
| MG2P2MTE025W | 25x15 | 20 | 40 |  Male Threaded Elbow 90° | MG1P2FLA040W | 40 | 20 | 10 |  Flange Adapter |
| MG2P2MTE026W | 25x20 | 20 | 30 | | | | | | |
| MG2P2MTE032W | 32x20 | 20 | 20 | | | | | | |
| MG2P2MTE033W | 32x25 | 20 | 16 | | | | | | |
| MG2P2MTT025W | 25x15 | 20 | 30 |  Male Threaded Tee | NG2P2BLV025W | 20 | 20 | 16 |  Ball Valve |
| MG2P2MTT026W | 25x20 | 20 | 25 | | NG2P2BLV032W | 32 | 20 | 14 | |
| MG2P2MTT032W | 32x20 | 20 | 14 | | NG2P2BLV040W | 40 | 20 | 4 | |
| MG2P2MTT033W | 32x25 | 20 | 12 | | NG2P2BLV050W | 50 | 20 | 4 | |
| MG2P2FTA025W | 25x15 | 20 | 150 |  Female Threaded Joint (FTA) | NG2P2BLV063W | 63 | 20 | 2 | |
| MG2P2FTA026W | 25x20 | 20 | 100 | | NG1P2TCR002W | 20 | 20 | 80 |  Tank Connector |
| MG2P2FTA031W | 32x15 | 20 | 30 | | NG1P2TCR003W | 25 | 20 | 50 | |
| MG2P2FTA032W | 32x20 | 20 | 30 | | NG1P2TCR004W | 40 | 20 | 30 | |
| MG2P2FTA033W | 32x25 | 20 | 60 | | NG1P2TCR005W | 50 | 20 | 25 | |
| MG2P2FTA040W | 40x32 | 20 | 40 | | | | | | |
| MG2P2FTA041W | 40x40 | 20 | 12 | | | | | | |
| MG2P2FTA050W | 50x40 | 20 | 12 | | | | | | |
| MG2P2MTA025W | 25x15 | 20 | 100 |  Male Threaded Joint (MTA) | MG1P2BPB025W | 25 | 20 | 40 |  Bypass Bend |
| MG2P2MTA026W | 25x20 | 20 | 80 | | MG1P2BPB032W | 32 | 20 | 20 | |
| MG2P2MTA032W | 32x20 | 20 | 30 | | | | | |  Pipe Clip (Plastic) |
| MG2P2MTA033W | 32x25 | 20 | 50 | | MG1P2PCL025W | 25 | 20 | 400 | |
| MG2P2MTA040W | 40x32 | 20 | 30 | | MG1P2PCL032W | 32 | 20 | 320 | |
| MG2P2MTA041W | 40x40 | 20 | 6 | | MG1P2PCL040W | 40 | 20 | 240 | |
| MG2P2MTA050W | 50x40 | 20 | 20 | | MG1P2PCL050W | 50 | 20 | 90 | |
| | | | | | MG1P2PCL063W | 63 | 20 | 30 | |
| MG1P2MTA026W | 25x20 | 20 | 150 |  M.T.A. (Plastic) | | | | | |
| MG1P2MTA032W | 32x25 | 20 | 80 | | | | | | |
| MG1P2MTA040W | 40x32 | 20 | 40 | | | | | | |

Except for flange adapter, bypass bend and male end of male/female reducer, all other fittings are female socketed. Threaded end of transition fittings are compatible with CP fittings. PN - Nominal Pressure, F- Fabricated, S- Socket, MT- Male Thread, FT- Female Thread, Spg- Spigot.

Socket / Polyfusion Equipment and Accessories

| Item Code | Size in mm | Remark | | Item Code | Remark | |
|---|--|---|--|-----------------------|---|--|
| 4100378 4100379 4100380 4100381 4100382 4100383 4100384 4100385 4100386 | 20 25 32 40 50 63 75 90 110 | Suitable for SPD 2600, SPD 3800 and SPD 41200 |  Matrices Paired | PFDSPD005600 | Suitable for 20mm to 32mm sizes. |  Polyfusion Device 90° (Rod type) SPD 5600 |
| 4100334 4100335 4100336 4100337 4100338 | *50x32 63x32 75x32 90x32 110x40 110x50 *160x50 | Used for weld in saddles |  Matrices for Weld in Saddle | 4100388 (Indian make) | Suitable up to 40mm pipe size |  Pipe Cutter |
| 4100363 4100364 4100365 | 20 25 32 | Suitable for SPD 5600 |  Matrices-Non-Paired | 4100391 4100390 | This is used to mount Polyfusion device while welding. This provides firm support while welding on the floor. |  Mounting Stand (for PFD) |
| 4100320 4100321 | 7 11 | This is used to repair hole formed on the pipe |  Hole Repairing Matrices | 4100389 | This is used to remove oxidized layer on exterior face of the pipe before welding. This is generally required while welding large diameter pipes. |  Pipe Scraper |
| 4100302 | 32 | Used to make hole on pipe while using welding saddles |  Drill Bit for Weld in Saddle | PFDSPD061800 | Suitable for butt welding of 90mm to 200mm sizes. |  Heating Plate for Butt Welding SPD 61800 |
| PFDSPDCP2600 | | Suitable for 20mm to 32mm sizes. |  Polyfusion Device SPD 2600 | 4100405 | Suitable for 50mm to 140mm pipe sizes |  Rotating Cutter |
| PFDSPDCP3800 | | Suitable for 20mm to 50mm sizes. |  Polyfusion Device SPD 3800 | 4100331 | Required for welding of 63mm to 110mm pipe sizes |  Assembly Jig |
| PFDSPDA41200 | | Suitable for 40mm to 110mm sizes. |  Polyfusion Device SPD 41200 | 4100332 | For butt welding of above 110mm pipe sizes |  Butt Welding Machine |

*Marked product will be shortly introduced

THE SYSTEM

In line with our tradition of introducing new and innovative products on regular basis, we are pleased to offer yet other advanced plumbing systems i.e. "Supreme e-lite" PEX-b (monolayer) and PEX-AL-PEX (multilayer) for hot and cold water applications. e-lite advanced plumbing systems are designed to meet premium project requirements. These systems are also suitable for different applications like compressed air, solar water heater, radiant floor heating, fire sprinkler system etc.

Manufactured using advanced material and technology these premium systems have excellent temperature and pressure resistance. It is endowed with many unique features which makes it one of the most trustworthy systems. e-lite plumbing systems comply with the highest international quality standards ISO 15875 and ISO 21003.

Supreme e-lite PEX-b pipes are manufactured using Silane (moisture cure) method of cross-linking between the molecules of the HDPE polymer after necessary extrusion process using a catalyst and by exposing PEX tubing in steam bath. PEX-b is superior to other types because of its higher burst pressure, higher impact resistance, excellent temperature and pressure resistance and excellent chlorine and oxidative resistance. e-lite PEX-AL-PEX MLP (Multilayer Pipes) are also manufactured using PEX-b.

FEATURES AND BENEFITS

Excellent temperature and pressure resistance : Supreme e-lite advanced plumbing systems meet all requirements for temperature and pressure performance in wide spectrum of applications. They are suitable for operating temperature up to 95°C. With their excellent performance in high temperature and pressure conditions; these systems are an obvious choice over the other pipes or materials.

Ideal for potable water application : Due to the use of mechanical joints there remains no need of solvent, chemical, or solder jointing which nullifies the possibility of contamination with the water. The material of the pipes does not contaminate the water flowing through it and maintains the water quality without negative biological effects. Moreover due to chemical inertness and its resistance to all sorts of corrosion, e-lite plumbing system is considered as absolutely safe for potable water applications.

Long term reliable performance : The system offers long term reliable performance due to the excellent material

properties and press fit / crimping type joints which are 100% watertight. Unlike other jointing methods the fittings are supplied with the integral S.S. sleeves which eliminate the possibility of human error leading to leakages. With their remarkable chlorine and oxygen resistance the pipes perform for long term without causing trouble to the metallic parts in their loop.

Easy and fast Installation : Great flexibility of pipes makes e-lite plumbing systems an ideal choice for all plumbing needs. The pipes are made available in the form of long coils which helps to reduce the no. of joints. Its flexible nature allows it to be bent gently at the point of change of direction or around any obstructions that minimizes the requirement of fittings. Due to flexibility, bendability and press fit crimping joints the installation of e-lite pipes becomes fast and easier than any rigid pipes. With the well-equipped handy tools and availability of manifolds, the installation becomes very fast and error free.

Different installation methodologies : e-lite advanced plumbing systems can be installed according to the different installation methodologies. These installation methodologies serve the different design advantages according to customized application and very useful in case of any maintenance requirements.

Easy to repair and maintain : With the use of pipe in pipe method, in case of repair, the concealed tubes can be easily pulled out and replaced without disturbing the tiling work and interior architectural aesthetics.

Low on noise : These piping systems are significantly quieter than rigid piping systems. It is inherently less noisy due to its flexibility and ability to absorb pressure surges.

Fields of Applications

e-lite plumbing systems can be used in a wide variety of applications in residential, commercial and industrial constructions.

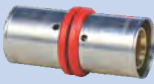




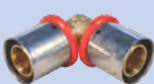




- Hot and cold water supply systems in all types of buildings
- Radiant floor heating systems for suspended floor systems or in slab construction
- Municipal water service pipe in underground applications
- Turf conditioning for greenhouses, golf courses, and sports field surfaces
- Fire suppression systems (residential fire sprinklers)

MONOLAYER PIPES



| Size (mm) | Overall pipe dia. (mm) | | Wall thickness (mm) | | Coil length (m) |
|--------------|---------------------------|------|------------------------|------|--------------------|
| | min | max | min | max | |
| 16 | 16.0 | 16.3 | 1.80 | 2.10 | 100 |
| 20 | 20.0 | 20.3 | 1.90 | 2.20 | 100 |
| 25 | 25.0 | 25.3 | 2.30 | 2.70 | 50 |
| 32 | 32.0 | 32.3 | 2.90 | 3.30 | 50 |

FITTINGS










| Item Code | Size in mm (in) | Box Packing | |
|-----------|---------------------|-------------|--|
| 4118912 | 16 | 200 |  Coupler |
| 4118914 | 20 | 160 | |
| 4118916 | 25 | 100 | |
| 4118896 | 32 | 60 | |
| 4118913 | 20x16 | 180 |  Reducing Coupler |
| 4118915 | 25x20 | 120 | |
| 4118917 | 32x25 | 80 | |
| | | | |
| 4118875 | 16x15 (½") | 200 |  Male Threaded Adapter |
| 4118876 | 20x15 (½") | 200 | |
| 4118877 | 20x20 (¾") | 200 | |
| 4118898 | 25x20 (¾") | 100 | |
| 4118899 | 25x25 (1") | 100 | |
| 4129125 | 32x25 (1") | 80 | |
| 4129137 | 16x15 (½") | 200 |  Female Threaded Adapter |
| 4129255 | 20x15 (½") | 200 | |
| 4118888 | 20x20 (¾") | 180 | |
| | *25x20 (¾") | 100 | |
| 4118889 | 25x25 (1") | 100 |  FTA with Screw Connection |
| 4129262 | 32x25 (1") | 80 | |
| 4118900 | 16x15 (½") | 200 | |
| 4118901 | 20x15 (½") | 200 | |
| 4123599 | 20x20 (¾") | 200 |  Elbow 90° |
| | *25x20 (¾") | 100 | |
| 4129256 | 32x25 (1") | 80 | |
| | | | |
| 4118883 | 16 | 200 |  Male Threaded Elbow 90° |
| 4118855 | 20 | 150 | |
| 4118884 | 25 | 80 | |
| 4118869 | 32 | 44 | |
| 4118879 | 16x15 (½") | 200 |  Female Threaded Elbow 90° |
| 4118880 | 20x15 (½") | 160 | |
| | *25x20 (¾") | 90 | |
| | | | |
| 4118868 | 16x15 (½") | 180 |  Female Threaded Elbow 90° with Base Plate |
| 4118856 | 20x15 (½") | 160 | |
| 4118857 | 20x20 (¾") | 100 | |
| 4129300 | 25x20 (¾") | 100 | |
| 4118878 | 32x25 (1") | 54 | |
| 4118881 | 16x15 (½") 46mm ht. | 100 |  Sleeve |
| 4118882 | 20x15 (½") 46mm ht. | 100 | |
| 4118885 | 16x15 (½") 38mm ht. | 100 | |
| 4118886 | 20x15 (½") 38mm ht. | 100 | |

*Marked product will be shortly introduced

MULTILAYER PIPES



| Size (mm) | Overall pipe dia. (mm) | | Wall thickness mm | AL Layer thick mm | Coil length (m) |
|-----------|------------------------|-------|-------------------|-------------------|-----------------|
| | min | max | | | |
| 16 | 16.00 | 16.20 | 2.00 | 0.20 | 100 |
| 20 | 20.00 | 20.20 | 2.00 | 0.25 | 100 |
| 25 | 25.00 | 25.20 | 2.50 | 0.25 | 50 |
| 32 | 32.00 | 32.20 | 3.00 | 0.30 | 50 |





| Item Code | Size in mm (in) | Box Packing | |
|-----------|-----------------|-------------|--|
| 4118887 | 25x20 (¾") | 100 |  Female Threaded Elbow 90° with Screw Connection |
| 4118905 | 16 | 150 |  Equal Tee |
| 4118907 | 20 | 100 | |
| 4123600 | 25 | 40 | |
| 4118911 | 32 | 32 | |
| 4118906 | 20x16x20 | 100 |  Reducing Tee |
| 4118908 | 25x16x25 | 60 | |
| 4118909 | 25x20x25 | 60 | |
| 4118910 | 32x20x32 | 40 | |
| 4129259 | 32x25x32 | 32 | |
| 4118902 | 16x15 (½") | 100 |  Female Threaded Tee |
| 4118903 | 20x15 (½") | 100 | |
| 4118904 | 25x15 (½") | 48 | |
| 4129126 | 25x20 (¾") | 44 | |
| 4118930 | 20x20x16x16 | 64 |  Cross |
| 4119042 | 25x20x16x16 | 64 | |
| 4118929 | 25x20x20x20 | 64 | |
| 4119043 | 20x20x16x16x16 | 40 |  Distributor |
| 4119044 | 25x20x16x16x16 | 40 | |
| 4118918 | 20 | 40 |  Ball Valve |
| 4118895 | 25 | 32 | |
| 4129218 | 32 | 32 | |
| 4118897 | 16 | 16 |  Embedded Valve |
| 4118928 | 20 | 16 | |
| 4129127 | 25 | 12 | |
| | *16 | |  Sleeve |
| | *20 | | |
| | *25 | | |
| | *32 | | |








FITTINGS

| Item Code | Size in mm | Box Packing | | Item Code | Size in mm | Box Packing | |
|-----------|----------------|-------------|---|-----------|------------------------|-------------|---|
| 4119080 | 16 | 180 |  Coupler | 4119048 | 16x15 (1/2") 46mm ht. | 100 |  Female Threaded Elbow 90° with Base Plate |
| 4119087 | 20 | 160 | | 4119049 | 20x15 (1/2") 46mm ht. | 100 | |
| | *25 | 100 | | | *16x15 (1/2") 38mm ht. | 100 | |
| | *32 | 60 | | | *20x15 (1/2") 38mm ht. | 100 | |
| 4119086 | 20x16 | 180 |  Reducing Coupler | | | |  Female Threaded Elbow 90° with Screw Connection |
| 4129235 | 25x16 | 120 | | | | | |
| 4129236 | 25x20 | 120 | | | | | |
| | *32x16 | 100 | | | | | |
| 4129227 | 32x25 | 80 |  Male Threaded Adapter | | *25x20 (3/4") | 100 |  Equal Tee |
| 4119051 | 16x15 (1/2") | 200 | | 4119082 | 16 | 130 | |
| 4119070 | 20x15 (1/2") | 200 | | 4119085 | 20 | 100 | |
| 4119071 | 20x20 (3/4") | 200 | | | *25 | 40 | |
| 4129222 | 25x20 (3/4") | 100 | | | *32 | 32 | |
| 4129221 | 25x25 (1") | 100 | | | | | |
| | *32x25 (1") | 80 |  Female Threaded Adapter | 4119083 | 20x16x20 | 100 |  Reducing Tee |
| 4118936 | 16x15 (1/2") | 200 | | | *25x16x25 | 60 | |
| 4119053 | 20x15 (1/2") | 200 | | | *25x20x25 | 48 | |
| 4119054 | 20x20 (3/4") | 180 | | 4129244 | 32x20x32 | 40 | |
| | *25x20 (3/4") | 100 | | | | | |
| | *25x25 (1") | 100 | | | | | |
| 4129229 | 32x25 (1") | 80 |  FTA with Screw Connection | 4119075 | 16x15 (1/2") | 100 |  Female Threaded Tee |
| 4119072 | 16x15 (1/2") | 200 | | 4119081 | 20x15 (1/2") | 100 | |
| 4119073 | 20x15 (1/2") | 200 | | 4129245 | 25x15 (1/2") | 48 | |
| 4119074 | 20x20 (3/4") | 200 | | 4129246 | 25x20 (3/4") | 44 | |
| 4129254 | 25x20 (3/4") | 100 | | 4129247 | 32x20 (3/4") | 40 | |
| 4129230 | 25x25 (1") | 100 | | | | | |
| 4129260 | 32x25 (1") | 80 | | | | | |
| 4129232 | 32x32 (1 1/4") | 64 | | | | | |
| 4119050 | 16 | 200 |  Elbow 90° | 4129249 | 25 | 32 |  Ball Valve |
| 4119052 | 20 | 150 | | 4129254 | 32 | 32 | |
| | *25 | 80 | | | | | |
| | *32 | 44 | | | | | |
| 4119046 | 16x15 (1/2") | 200 |  Male Threaded Elbow 90° | 4129252 | 16 | 40 |  Embedded Valve |
| 4119047 | 20x15 (1/2") | 160 | | 4129253 | 20 | 32 | |
| 4129261 | 25x20 (3/4") | 90 | | 4129136 | 25 | 20 | |
| 4119045 | 16x15 (1/2") | 180 |  Female Threaded Elbow 90° | | | | |
| | *20x15 (1/2") | 160 | | | *16 | |  Sleeve |
| 4129238 | 20x20 (3/4") | 100 | | | *20 | | |
| 4129239 | 25x20 (3/4") | 100 | | | *25 | | |
| 4129240 | 32x25 (1") | 54 | | | *32 | | |


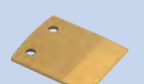








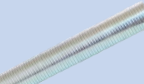
Note: Crimping type multilayer fittings will be supplied either in TIN plated or natural brass colour. *Marked product will be shortly introduced

BRASS COMPRESSION FITTINGS

| | | | | | | | |
|---------|-------|-----|---|---------|-----------------|-----|---|
| 4129168 | 16 | 216 |  Coupler | 4129187 | 16x15 (1/2") | 252 |  Male Threaded Adapter |
| 4129169 | 20 | 144 | | 4129188 | 20x15 (1/2") | 168 | |
| 4129170 | 25 | 72 | | 4129189 | 20x20 (3/4") | 144 | |
| 4129171 | 32 | 48 | | 4129190 | 25x15 (1/2") | 120 | |
| | | | | | *25x20 (3/4") | | |
| | | |  Reducer | | *25x25 (1") | |  Female Threaded Adapter |
| 4129180 | 20x16 | 144 | | | *32x25 (1") | | |
| 4129181 | 25x16 | 120 | | | *32x32 (1 1/4") | | |
| 4129182 | 25x20 | 120 | | 4129191 | 16x15 (1/2") | 216 | |
| 4129183 | 32x20 | 48 | | 4129192 | 20x15 (1/2") | 216 | |
| 4129184 | 32x25 | 48 | | 4129193 | 20x20 (3/4") | 180 | |
| | | | | 4129194 | 25x15 (1/2") | 144 | |
| | | | | 4129195 | 25x20 (3/4") | 120 | |
| | | | | | *25x25 (1") | | |
| | | | | | *32x25 (1") | | |
| | | | | | *32x32 (1 1/4") | | |

| Item Code | Size in mm | Box Packing | | Item Code | Size in mm | Box Packing | |
|-----------|--------------|-------------|--|-----------|-------------|-------------|--|
| 4129172 | 16 | 180 |  Elbow 90° | | *20x15 (½") | 120 |  Male Threaded Elbow 90° |
| 4129173 | 20 | 96 | | | | | |
| 4129174 | 25 | 72 | | | | | |
| 4129175 | 32 | 36 | | | | | |
| | *20x16 | 72 |  Reducing Elbow 90° | 4129176 | 16 | 90 |  Equal Tee |
| | *25x20 | 48 | | 4129177 | 20 | 72 | |
| | *32x20 | | | 4129178 | 25 | 48 | |
| | *32x25 | | | 4129179 | 32 | 24 | |
| 4129196 | 16x15 (½") | 144 |  Female Threaded Elbow 90° | 4129185 | 20x16x20 | 72 |  Reducing Tee |
| 4129197 | 20x15 (½") | 120 | | 4129186 | 25x20x25 | 48 | |
| | *20x20 (¾") | 96 | | | *32x20x32 | | |
| 4129198 | 25x15 (½") | 96 | | | *32x25x32 | |  Female Threaded Tee |
| 4129199 | 25x20 (¾") | 96 | | 4129200 | 16x15 (½") | 108 | |
| | *32x25 (1") | | | 4129201 | 20x15 (½") | 84 | |
| | *32x32 (1¼") | | | | *25x15 (½") | | |
| | | | | | *25x25 (1") | | |

TOOLS AND ACCESSORIES

| Item Code | Size in mm | Standard Packing | | Item Code | Size in mm (in) | Standard Packing | |
|-----------|-----------------------------------|------------------|---|-----------|-----------------|------------------|---|
| 4119094 | 20x15 (¾"x½") (2 male outlets) | 10 |  Manifold | 4119093 | 16-25 | 1 |  Blade for Pipe Cutter |
| 4119095 | 20x15 (¾"x½") (3 male outlets) | 8 | | | | | |
| 4119096 | 20x15 (¾"x½") (4 male outlets) | 8 | | | | | |
| 4119097 | 20x15 (¾"x½") (2 male outlets) | 5 |  Manifold with Valve | 4129265 | 16-25 | 1 |  Pipe Cutter |
| 4119098 | 20x15 (¾"x½") (3 male outlets) | 5 | | 4129267 | 16-32 | 1 | |
| 4119100 | 16x15 (½") | 200 |  PEX Pipe Adapter for Manifold Connection (For monolayer & multilayer pipes) | 4129266 | 16-25 16-32 | 1 1 |  Blade for Pipe Cutter |
| 4119099 | 300x530x90 300x430x90 | 1 1 |  Cabinet for Manifolds | 4119084 | 16-25 | 1 | |
| 4119101 | 16-20 | 1 |  Manual Crimping Tool with Insert | 4129269 | 16-25 20-32 | 1 1 |  Deburring and Chamfering Tool |
| 4119102 | 16-32 | 1 | | | | | |
| 4119092 | 16-25 | 1 |  Pipe Cutter | 4119088 | 16 | 1 |  External Spring Pipe Bend Tool |
| | | | | 4119089 | 20 | 1 | |
| | | | | 4119090 | 25 | 1 | |
| | | | | 4119091 | 32 | 1 | |

*Marked product will be shortly introduced

THE SYSTEM

Supreme Compression fittings are designed to offer safety and user friendly handling and installation experience that gives real benefits to our valued customers.

These unique range of fittings introduced by the company are specially designed and developed to meet the requirements of potable water distribution systems. Installation of piping systems using these fittings assures quick and easy installation compared to the regular compression fittings available in the market. The use of lip gasket makes these fittings an unique and long-lasting product. Superior quality along with many innovative features makes these fittings an ideal choice for drinking water applications. Supreme compression fittings are endowed with all the benefits of plastics like - free from rusting and incrustation, light in weight, water tightness, excellent pressure resistance, easy installation etc. Moreover, these fittings proves their cost effectiveness with their long and trouble free service life of minimum 50 years.

Product Specifications and Range

Supreme compression fittings are suitable for use with all types of polyethylene pipes i.e. PE 80 and PE 100. The fitting are provided in ready to use form and can be installed without any preparations. Without loosening the nut or disassembling the

fitting, the pipe can be installed directly in to it. Complete range of fittings is designed for 16 bar pressure and it has approvals according to the most stringent regulations. The special lip gasket provides a perfect performance even with ovalised or scratched pipes.

FEATURES AND BENEFITS

- Reliable joint performance
- Extremely robust design
- Strong and durable
- Most suitable for conveying drinking water
- Perfect sealing in all conditions
- Light in weight
- Rust free hence no encrustation
- High chemical resistance
- Compatible with all types of PE pipes
- Easy and fast installation

Applications

- Potable / drinking water supply distribution mains
- Municipal water supply service mains/branches
- Irrigation

FITTINGS

| Item Code | Size in mm | PN | Box Qty. | |
|--------------|------------|----|----------|---|
| COMCOUPLRABK | 20 | 16 | 120 |  Coupler |
| COMCOUPLRBBK | 25 | 16 | 80 | |
| COMCOUPLRCBK | 32 | 16 | 50 | |
| COMCOMPELABK | 20 | 16 | 120 |  Elbow 90° |
| COMCOMPELBBK | 25 | 16 | 80 | |
| COMCOMPELCBK | 32 | 16 | 40 | |
| COMEQLTEEABK | 20 | 16 | 70 |  Equal Tee |
| COMEQLTEEBBK | 25 | 16 | 50 | |
| COMEQLTEECBK | 32 | 16 | 25 | |
| COMENDCAPABK | 20 | 16 | 200 |  End Cap |
| COMENDCAPBBK | 25 | 16 | 150 | |
| COMENDCAPCBK | 32 | 16 | 90 | |
| COMPTMTAA1BK | 20 | 16 | 180 |  MTA (Plastic) |
| COMPTMTAB2BK | 25 | 16 | 150 | |
| COMPTMTAC3BK | 32 | 16 | 90 | |

| Item Code | Size in mm | PN | Box Qty. | |
|--------------|------------|----|----------|---|
| COMPTFTAA1BK | 20 | 16 | 180 |  FTA (Plastic) |
| COMPTFTAB2BK | 25 | 16 | 140 | |
| COMPTFTAC3BK | 32 | 16 | 80 | |
| COMPTMTEA1BK | 20 | 16 | 180 |  Male Threaded Elbow 90° (Plastic) |
| COMPTMTAB2BK | 25 | 16 | 140 | |
| COMPTMTEC3BK | 32 | 16 | 70 | |
| COMPTFTEA1BK | 20 | 16 | 180 |  Female Threaded Elbow 90° (Plastic) |
| COMPTFTEB2BK | 25 | 16 | 120 | |
| COMPTFTEC3BK | 32 | 16 | 60 | |
| COMMTMTAA1BK | 20 | 16 | 180 |  |
| COMMTMTAB2BK | 25 | 16 | 120 | |
| (Brass) | | | |  |
| COMSTMTAA1BK | 20 | 16 | 180 | |
| (SS) | | | | MTA |

| Item Code | Size in mm (in) | PN | Box Qty. | | Item Code | Size in mm (in) | PN | Box Qty. | |
|--|--|----------------|------------|--|--------------|-----------------|----|----------|---|
| COMMTFTAA1BK COMMTFTAB2BK (Brass) | 20 25 | 16 16 | 180 100 |  FTA | PPCS0631BK16 | 63x15 (1/2") | 16 | 64 |  Service Saddle (Brass) |
| COMSTFTAA1BK (SS) | 20 | 16 | 180 | | PPCS0751BK16 | 75x15 (1/2") | 16 | 40 | |
| | | | | | PPCS0901BK16 | 90x15 (1/2") | 16 | 35 | |
| | | | | | PPCS1101BK16 | 110x15 (1/2") | 16 | 35 | |
| | | | | | PPCS1251BK16 | 125x15 (1/2") | 16 | 30 | |
| | | | | | PPCS1401BK16 | 140x15 (1/2") | 16 | 24 | |
| | | | | | PPCS1601BK16 | 160x15 (1/2") | 16 | 20 | |
| COMMTMTEA1BK COMMTMTEB2BK (Brass) | 20 25 | 16 16 | 180 100 |  Male Threaded Elbow 90° | | | | |  Service Saddle (SS) |
| COMSTMTEA1BK (SS) | 20 | 16 | 160 | | PSCS0631BK16 | 63x15 (1/2") | 16 | 64 | |
| | | | | | PSCS0633BK16 | 63x25 (1") | 16 | 64 | |
| | | | | | PSCS0751BK16 | 75x15 (1/2") | 16 | 40 | |
| | | | | | PSCS0753BK16 | 75x25 (1") | 16 | 40 | |
| | | | | | PSCS0901BK16 | 90x15 (1/2") | 16 | 35 | |
| | | | | | PSCS0903BK16 | 90x25 (1") | 16 | 35 | |
| | | | | | PSCS1101BK16 | 110x15 (1/2") | 16 | 35 | |
| | | | | | PSCS1103BK16 | 110x25 (1") | 16 | 35 | |
| | | | | | PSCS1251BK16 | 125x15 (1/2") | 16 | 30 | |
| | | | | | PSCS1253BK16 | 125x25 (1") | 16 | 30 | |
| | | | | | PSCS1401BK16 | 140x15 (1/2") | 16 | 24 | |
| | | | | | PSCS1403BK16 | 140x25 (1") | 16 | 24 | |
| | | | | | PSCS1601BK16 | 160x15 (1/2") | 16 | 20 | |
| | | | | | PSCS1603BK16 | 160x25 (1") | 16 | 20 | |
| COMBALVALABK COMBALVALBBK COMBALVALCBK | 20x15 (1/2") 25x20 (3/4") 32x25 (1") | 16 16 16 | 75 60 |  Ball Valve | | | | | |
| | | | | | | | | | |
| RMBBLUEIBLOC | | | 14 |  Meter Box | PBCS0631BKA2 | 63x15 (1/2") | 16 | 64 |  *Clamp Saddle (Brass) |
| | | | | | PBCS0751BKA2 | 75x15 (1/2") | 16 | 40 | |
| | | | | | PBCS0901BKA2 | 90x15 (1/2") | 16 | 35 | |
| | | | | | PBCS1101BKA2 | 110x15 (1/2") | 16 | 35 | |
| | | | | | PBCS1251BKA2 | 125x15 (1/2") | 16 | 30 | |
| | | | | | PBCS1401BKA2 | 140x15 (1/2") | 16 | 24 | |
| | | | | | PBCS1601BKA2 | 160x15 (1/2") | 16 | 20 | |
| | | | | | PBCS2001BKA2 | 200x15 (1/2") | 16 | | |
| DISSS100N1BL | 100 NBx1/2" | 16 | 25 |  Strap Saddle (SS) | PSCS0631BKA2 | 63x15 (1/2") | 16 | 64 |  *Clamp Saddle (SS) |
| | | | | | PSCS0751BKA2 | 75x15 (1/2") | 16 | 40 | |
| | | | | | PSCS0901BKA2 | 90x15 (1/2") | 16 | 35 | |
| | | | | | PSCS1101BKA2 | 110x15 (1/2") | 16 | 35 | |
| | | | | | PSCS1251BKA2 | 125x15 (1/2") | 16 | 30 | |
| | | | | | PSCS1401BKA2 | 140x15 (1/2") | 16 | 24 | |
| | | | | | PSCS1601BKA2 | 160x15 (1/2") | 16 | 20 | |
| DIPSS100N1BL DIPSS100N3BL | 100 NBx1/2" 100 NBx1" | 16 16 | |  Strap Saddle (Plastic) | | | | | |

PE Electro-fusion Fittings

For Gas and Drinking Water Piping Systems | Section -1A

THE SYSTEM

Supremes' customer centric approach always fuels its research for designing unmatched quality products to meet the aspirations of its quality conscious customers. Due to increasing urbanization, new application segments like piped gas supply and 24x7 Drinking Water Supply are emerging fastly. To meet the requirements of these crucial application segments of advance quality fittings for polyethylene water supply and gas piping systems, Supreme has introduced the safest and the most reliable 'PE Electro-fusion fittings'.

This new range of fittings introduced by the company is manufactured using virgin raw material and most modernized injection molding process with integrated quality control. Supreme electro-fusion fittings provide strong homogeneous joints that withstand high pressure and all the loads that occur during installation and in use. These fittings are made available in PN10 and PN16 pressure ratings and comply with EN 12201-3, EN 1555-3, ISO 4427-3, ISO 8085-3 standards for gas and water supply/distribution applications. These fittings are available in 20 to 315 mm sizes

in SDR 11 and 17 pressure class and are compatible with PE 80 and PE 100 pipes. The grade of raw material used for manufacturing these high quality fittings is approved by WRAS, UK and tested by NSF International, UK as per BS 6920. Thus, Supreme electro-fusion fittings will give you assurance of excellent quality, high-performance welds, and excellent long-term service performance.

FEATURES AND BENEFITS

- Reliable joint performance
- Extremely robust design
- Strong and durable
- Most suitable for conveying gas and drinking water
- Light in weight
- Rust free hence no encrustation
- High chemical and corrosion resistance
- Compatible with all types of PE pipes
- Easy and fast installation

FITTINGS















| Item Code | Size in mm | SDR | Box Qty. |
|--------------|------------|-----|----------|
| | *20 | 11 | |
| | *25 | 11 | |
| | *32 | 11 | |
| EFC063BK10A1 | 63 | 11 | 36 |
| EFC075BK10A1 | *75 | 11 | 36 |
| EFC090BK10A1 | 90 | 11 | 22 |
| EFC110BK10A1 | 110 | 11 | 16 |
| EFC125BK10A1 | 125 | 11 | 20 |
| EFC140BK10A1 | 140 | 11 | 18 |
| EFC160BK10A1 | 160 | 11 | 12 |
| EFC180BK10A1 | 180 | 11 | 6 |
| EFC200BK10A1 | 200 | 11 | 2 |
| EFC225BK10A1 | 225 | 11 | 2 |
| EFC250BK10A1 | *250 | 11 | 2 |
| EFC280BK10A1 | *280 | 11 | 1 |
| EFC315BK10A1 | *315 | 11 | 1 |
| EFC140BK10B1 | 140 | 17 | 18 |
| EFC160BK10B1 | 160 | 17 | 12 |
| EFC180BK10B1 | 180 | 17 | 6 |
| EFC200BK10B1 | 200 | 17 | 2 |
| EFC225BK10B1 | 225 | 17 | 4 |
| EFC250BK10B1 | *250 | 17 | 2 |
| EFC280BK10B1 | *280 | 17 | 1 |
| EFC315BK10B1 | *315 | 17 | 1 |
| | *20 | 11 | |
| | *25 | 11 | |
| | *32 | 11 | |
| | *63 | 11 | |
| | *75 | 11 | |
| | *90 | 11 | |
| | *110 | 11 | |
| | *125 | 11 | |
| EFE140D90BKA | 140 | 11 | 2 |



| Item Code | Size in mm | SDR | Box Qty. |
|--------------|------------|-----|----------|
| EFE160D90BKA | 160 | 11 | 2 |
| EFE180D90BKA | 180 | 11 | 2 |
| EFE200D90BKA | 200 | 11 | 2 |
| EFE225D90BKA | 225 | 11 | 2 |
| EFE250D90BKA | 250 | 11 | 2 |
| EFE280D90BKA | 280 | 11 | 2 |
| EFE315D90BKA | 315 | 11 | 2 |
| ESPE140D90BB | 140 | 17 | 2 |
| ESPE160D90BB | 160 | 17 | 2 |
| ESPE180D90BB | 180 | 17 | 2 |
| ESPE200D90BB | 200 | 17 | 2 |
| ESPE225D90BB | 225 | 17 | 2 |
| ESPE250D90BB | 250 | 17 | 2 |
| ESPE280D90BB | 280 | 17 | 2 |
| ESPE315D90BB | 315 | 17 | 2 |
| | *20 | 11 | |
| | *25 | 11 | |
| | *32 | 11 | |
| | *63 | 11 | |
| | *75 | 11 | |
| | *90 | 11 | |
| | *110 | 11 | |
| | *125 | 11 | |
| EFE140D45BKA | 140 | 11 | 3 |
| EFE160D45BKA | 160 | 11 | 3 |
| EFE180D45BKA | 180 | 11 | 3 |
| EFE200D45BKA | 200 | 11 | 3 |
| EFE225D45BKA | 225 | 11 | 2 |
| EFE250D45BKA | 250 | 11 | 2 |
| EFE280D45BKA | 280 | 11 | 2 |
| EFE315D45BKA | 315 | 11 | 2 |



*Marked product will be shortly introduced

| Item Code | Size in mm | SDR | Box Qty. | | Item Code | Size in mm | SDR | Box Qty. | |
|--------------|------------|-----|----------|---|--------------|------------|-----|----------|--|
| ESPE140D45BB | 140 | 17 | 3 |  Elbow 45° | ESR180X140BB | 180x140 | 17 | 4 |  Reducer |
| ESPE160D45BB | 160 | 17 | 3 | | ESR180X160BB | 180x160 | 17 | 4 | |
| ESPE180D45BB | 180 | 17 | 3 | | ESR200X140BB | 200x140 | 17 | 2 | |
| ESPE200D45BB | 200 | 17 | 3 | | ESR200X160BB | 200x160 | 17 | 2 | |
| ESPE225D45BB | 225 | 17 | 2 | | ESR200X180BB | 200x180 | 17 | 2 | |
| ESPE250D45BB | 250 | 17 | 2 | | ESR225X160BB | 225x160 | 17 | 2 | |
| ESPE280D45BB | 280 | 17 | 2 | | ESR225X180BB | 225x180 | 17 | 2 | |
| ESPE315D45BB | 315 | 17 | 2 | | ESR225X200BB | 225x200 | 17 | 2 | |
| | *20 | 11 | | | ESR250X180BB | 250x180 | 17 | 1 | |
| | *25 | 11 | | | ESR250X200BB | 250x200 | 17 | 1 | |
| | *32 | 11 | |  Equal Tee | ESR250X225BB | 250x225 | 17 | 1 |  End Cap |
| | *63 | 11 | | | ESR280X200BB | 280x200 | 17 | 1 | |
| | *75 | 11 | | | ESR280X225BB | 280x225 | 17 | 1 | |
| | *90 | 11 | | | ESR280X250BB | 280x250 | 17 | 1 | |
| | *110 | 11 | | | ESR315X225BB | 315x225 | 17 | 1 | |
| | *125 | 11 | | | ESR315X250BB | 315x250 | 17 | 1 | |
| | | | | | ESR315X280BB | 315x280 | 17 | 1 | |
| EFETD140B10A | 140 | 11 | 2 | | | *20 | 11 | | |
| EFETD160B10A | 160 | 11 | 2 | | | *25 | 11 | | |
| EFETD180B10A | 180 | 11 | 2 | | | *32 | 11 | | |
| EFETD200B10A | 200 | 11 | 2 |  Reducer | EFSPECD063BA | 63 | 11 | 30 |  Branch Saddle (Clamp Type) |
| EFETD225B10A | 225 | 11 | 2 | | EFSPECD075BA | *75 | 11 | 30 | |
| EFETD250B10A | 250 | 11 | 2 | | EFSPECD090BA | 90 | 11 | 18 | |
| EFETD280B10A | 280 | 11 | 2 | | EFSPECD110BA | 110 | 11 | 12 | |
| EFETD315B10A | 315 | 11 | 2 | | EFSPECD125BA | 125 | 11 | 10 | |
| EFSPETD140BB | 140 | 17 | 2 | | EFSPECD140BA | 140 | 11 | 8 | |
| EFSPETD160BB | 160 | 17 | 2 | | EFSPECD160BA | 160 | 11 | 6 | |
| EFSPETD180BB | 180 | 17 | 2 | | EFSPECD180BA | 180 | 11 | 4 | |
| EFSPETD200BB | 200 | 17 | 2 | | EFSPECD200BA | 200 | 11 | 2 | |
| EFSPETD225BB | 225 | 17 | 2 | | EFSPECD225BA | 225 | 11 | 2 | |
| EFSPETD250BB | 250 | 17 | 2 |  Branch Saddle (Belt Type) | EFSPECD250BA | 250 | 11 | 2 |  Branch Saddle (Belt Type) |
| EFSPETD280BB | 280 | 17 | 2 | | EFSPECD280BA | 280 | 11 | 1 | |
| EFSPETD315BB | 315 | 17 | 2 | | EFSPECD315BA | 315 | 11 | 1 | |
| | *25x20 | 11 | | | EFSPECD140BB | 140 | 17 | 8 | |
| | *32x20 | 11 | | | EFSPECD160BB | 160 | 17 | 6 | |
| | *32x25 | 11 | | | EFSPECD180BB | 180 | 17 | 4 | |
| | *75x63 | 11 | | | EFSPECD200BB | 200 | 17 | 2 | |
| | *90x63 | 11 | | | EFSPECD225BB | 225 | 17 | 2 | |
| | *90x75 | 11 | | | EFSPECD250BB | 250 | 17 | 2 | |
| | *110x63 | 11 | | | EFSPECD280BB | 280 | 17 | 1 | |
| | *110x75 | 11 | |  Branch Saddle (Belt Type) | EFSPECD315BB | 315 | 17 | 1 | |
| | *110x90 | 11 | | | EFBS063BK101 | 63x½" | 11 | 40 |  Branch Saddle (Belt Type) |
| | *125x75 | 11 | | | EFBS063BK102 | 63x¾" | 11 | 40 | |
| | *125x90 | 11 | | | EFBS063BK103 | 63x1" | 11 | 35 | |
| | *125x110 | 11 | | | EFBS075BK101 | 75x½" | 11 | 24 | |
| ESR140X090BA | 140x90 | 11 | 5 | | EFBS075BK102 | 75x¾" | 11 | 24 | |
| ESR140X110BA | 140x110 | 11 | 5 | | EFBS075BK103 | 75x1" | 11 | 20 | |
| ESR140X125BA | 140x125 | 11 | 5 | | EFBS090BK101 | 90x½" | 11 | 20 | |
| ESR160X110BA | 160x110 | 11 | 4 | | EFBS090BK102 | 90x¾" | 11 | 20 | |
| ESR160X125BA | 160x125 | 11 | 4 | | EFBS090BK103 | 90x1" | 11 | 15 | |
| ESR160X140BA | 160x140 | 11 | 4 | | EFBS110BK101 | 110x½" | 11 | 15 | |
| ESR180X125BA | 180x125 | 11 | 4 |  Branch Saddle (Belt Type) | EFBS110BK102 | 110x¾" | 11 | 15 |  Branch Saddle (Belt Type) |
| ESR180X140BA | 180x140 | 11 | 4 | | EFBS110BK103 | 110x1" | 11 | 12 | |
| ESR180X160BA | 180x160 | 11 | 4 | | EFBS125BK101 | 125x½" | 11 | 12 | |
| ESR200X140BA | 200x140 | 11 | 2 | | EFBS125BK102 | 125x¾" | 11 | 12 | |
| ESR200X160BA | 200x160 | 11 | 2 | | EFBS125BK103 | 125x1" | 11 | 7 | |
| ESR200X180BA | 200x180 | 11 | 2 | | | | | | |
| ESR225X160BA | 225x160 | 11 | 2 | | | | | | |
| ESR225X180BA | 225x180 | 11 | 2 | | | | | | |
| ESR225X200BA | 225x200 | 11 | 2 | | | | | | |
| ESR250X180BA | 250x180 | 11 | 1 | | | | | | |
| ESR250X200BA | 250x200 | 11 | 1 | | EFBS140BK101 | 140x½" | 11 | 15 |  Branch Saddle (Belt Type) |
| ESR250X225BA | 250x225 | 11 | 1 |  Branch Saddle (Belt Type) | EFBS140BK102 | 140x¾" | 11 | 15 | |
| ESR280X200BA | 280x200 | 11 | 1 | | EFBS140BK103 | 140x1" | 11 | 12 | |
| ESR280X225BA | 280x225 | 11 | 1 | | EFBS160BK101 | 160x½" | 11 | 13 | |
| ESR280X250BA | 280x250 | 11 | 1 | | EFBS160BK102 | 160x¾" | 11 | 13 | |
| ESR315X225BA | 315x225 | 11 | 1 | | EFBS160BK103 | 160x1" | 11 | 11 | |
| ESR315X250BA | 315x250 | 11 | 1 | | | | | | |
| ESR315X280BA | 315x280 | 11 | 1 | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

*Marked product will be shortly introduced

| Item Code | Size in mm | SDR | Box Qty. |
|--------------|------------|-----|----------|
| EFTT063X20AB | 63x20 | 11 | 18 |
| EFTT063X25AB | 63x25 | 11 | 18 |
| EFTT063X32AB | 63x32 | 11 | 18 |
| EFTT075X20AB | 75x20 | 11 | 11 |
| EFTT075X25AB | 75x25 | 11 | 11 |
| EFTT075X32AB | 75x32 | 11 | 11 |
| EFTT090X20AB | 90x20 | 11 | 11 |
| EFTT090X25AB | 90x25 | 11 | 11 |
| EFTT090X32AB | 90x32 | 11 | 11 |
| EFTT110X20AB | 110x20 | 11 | 9 |
| EFTT110X25AB | 110x25 | 11 | 9 |
| EFTT110X32AB | 110x32 | 11 | 9 |
| EFTT125X20AB | 125x20 | 11 | 8 |
| EFTT125X25AB | 125x32 | 11 | 8 |
| EFTT125X32AB | 125x32 | 11 | 8 |



| Item Code | Size in mm | SDR | Box Qty. |
|--------------|------------|-----|----------|
| EFTT140x20AB | 140x20 | 11 | 15 |
| EFTT140X25AB | 140x25 | 11 | 15 |
| EFTT140X32AB | 140x32 | 11 | 15 |
| EFTT160X20AB | 160x20 | 11 | 10 |
| EFTT160X25AB | 160x25 | 11 | 10 |
| EFTT160X32AB | 160x32 | 11 | 10 |
| EFTT180X20AB | 180x20 | 11 | 8 |
| EFTT180X25AB | 180x25 | 11 | 8 |
| EFTT180X32AB | 180x32 | 11 | 8 |
| EFTT200X20AB | 200x20 | 11 | 12 |
| EFTT200X25AB | 200x25 | 11 | 12 |
| EFTT200X32AB | 200x32 | 11 | 12 |



SILBOND[™]

Solvent Cement

FOR EVERLASTING BOND

The quality of solvent cement has major influence on the joint strength and plays a very important role in solvent weld plumbing. Considering this important fact, company has started manufacturing of solvent cement under its own stringent quality checks. This ensures consistency in quality of solvent cement thereby reassuring the end user about the leak proof joints on a long term basis. The containers (Tin) has unique design with cap having integral brush. This ensures air tight closure and eliminate any contaminations. "SILBOND" solvent cement is available for both uPVC aqua Gold high pressure plumbing system as well as for Lifeline C-PVC hot and cold water system. PVC solvent cement is certified by BIS and NSF (USA) where as C-PVC solvent cement is certified by NSF (USA).

uPVC SOLVENT CEMENT

| Item Code | Size | Box qty. |
|--------------|--------|----------|
| SBAQUASD0061 | 60ml | 48 |
| SBAQUASD0100 | 100ml | 24 |
| SBAQUASD0250 | 250ml | 24 |
| SBAQUASD0500 | 500ml | 12 |
| SBAQUASD1000 | 1000ml | 6 |
| SBAQUASD5000 | 5000ml | 4 |

Meets IS:14182 and ASTM D-2564 standards. Suitable up to 50mm (2") diameter for SCH 40

| | | |
|--------------|-------------|----|
| SBAQUAMD0007 | 7ml (tube) | 96 |
| SBAQUAMD0015 | 15ml (tube) | 24 |
| SBAQUAMD0030 | 30ml (tube) | 24 |
| SBAQUAMD0060 | 60ml (tube) | 24 |

| | | |
|--------------|--------|----|
| SBAQUAMD0061 | 60ml | 48 |
| SBAQUAMD0100 | 100ml | 24 |
| SBAQUAMD0250 | 250ml | 24 |
| SBAQUAMD0500 | 500ml | 12 |
| SBAQUAMD1000 | 1000ml | 6 |
| SBAQUAMD5000 | 5000ml | 4 |

Meets IS:14182 and ASTM D-2564 standards. Suitable upto 150mm (6") diameter for SCH 40 and 32mm (1¼") diameter for SCH 80

| | | |
|--------------|--------|----|
| SBAQUAHD0061 | 60ml | 48 |
| SBAQUAHD0100 | 100ml | 24 |
| SBAQUAHD0250 | 250ml | 24 |
| SBAQUAHD0500 | 500ml | 12 |
| SBAQUAHD1000 | 1000ml | 6 |

Meets IS:14182 and ASTM D-2564 standards. Suitable upto 300mm (12") diameter for SCH 40 and 150mm (6") diameter for SCH 80



Regular Bodied



Medium Bodied



Heavy Bodied

Silbond solvent cement for uPVC aqua Gold[®] is made available in following varieties:-

- 1) Regular Bodied {recommended up to 50mm (2") diameter for SCH 40 pipes}.
- 2) Medium Bodied {recommended up to 150mm (6") diameter for SCH 40 and 32mm (1¼") diameter for SCH 80 pipes}.
- 3) Heavy Bodied {recommended for 300mm (12") diameter for SCH 40 and 150mm (6") diameter for SCH 80 pipes}.

Silbond solvent cement for Lifeline[®] C-PVC is available in following varieties:

- 1) Medium Bodied {recommended up to 150mm (6") diameter for SCH 40, 32mm (1¼") diameter for SCH 80 and 50mm (2") diameter for SDR 11 pipes }
- 2) Heavy Bodied {recommended for 300mm (12") diameter for SCH 40 and 150mm (6") diameter for SCH 80 pipes}.

In addition to the containers in different sizes, uPVC and C-PVC solvent cements are also made available in tube form. Primer required for large diameter pipes is also available in different packings.

C-PVC SOLVENT CEMENT

| Item Code | Size | Box qty. |
|--------------|-------------|----------|
| SBCPVCMD0015 | 15ml (tube) | 24 |
| SBCPVCMD0030 | 30ml (tube) | 24 |
| SBCPVCMD0060 | 60ml (tube) | 24 |
| SBCPVCMD0061 | 60ml | 48 |
| SBCPVCMD0100 | 100ml | 24 |
| SBCPVCMD0250 | 250ml | 24 |
| SBCPVCMD0500 | 500ml | 12 |
| SBCPVCMD1000 | 1000ml | 6 |

Meets ASTM F-493 and D-2846 standards. Suitable up to 150mm (6") diameter for SCH 40, 32mm (1¼") diameter for SCH 80 and 50mm (2") diameter for SDR 11 and SDR 13.5 pipes.

| | | |
|--------------|-------------|----|
| SBCPVCHD0015 | 15ml (tube) | 24 |
| SBCPVCHD0030 | 30ml (tube) | 24 |
| SBCPVCHD0060 | 60ml (tube) | 24 |

| | | |
|--------------|--------|----|
| SBCPVCHD0061 | 60ml | 48 |
| SBCPVCHD0100 | 100ml | 24 |
| SBCPVCHD0250 | 250ml | 24 |
| SBCPVCHD0500 | 500ml | 12 |
| SBCPVCHD1000 | 1000ml | 6 |

Meets ASTM F-493 and D-2846 standards. Suitable up to 300mm (12") SCH 40 and 150mm (6") SCH 80

PRIMER

| | | |
|--------------|--------|----|
| SBPRIMER0100 | 100ml | 24 |
| SBPRIMER0250 | 250ml | 24 |
| SBPRIMER0500 | 500ml | 12 |
| SBPRIMER1000 | 1000ml | 6 |

Meets ASTM F-656 standards. Essential for 65mm (2½") and above sized pipes.



Medium Bodied



Heavy Bodied



Primer

BLUESIL THREAD SEALANT

After successfully introducing solvent cement, primer and rubber lubricant, we are very happy to introduce one more useful and value added product called "Thread Sealant" under the brand name "BLUESIL". Looking at its quality and versatile features, this innovative product is most appropriate for making threaded joints.

UNIQUE FEATURES:

- Non-hardening, lubricating, anti-seize formulation
- Safe, non-toxic, Lead and Silicone free
- Non-corrosive, non-conductive
- Convenient packing
- Specially designed for all types of threaded fittings and valves
- Can be used for all types of threaded joints like plastic to plastic, plastic to metal and metal to metal etc.
- Positive seal
- Long life

SIL AID

Rubber Lubricant FOR AN EASY JOINTS

Lubricant is normally used for joining any pressure or non pressure pipes having rubber seal type joints. Recently, we have made available a very good quality lubricant which is offered in different packing.

SALIENT FEATURES:

- Non-inflammable, non-toxic, non-corrosive
- Will not harm rubber gasket or plastic pipe
- Safe for drinking/potable water application
- Doesn't promote bacterial growth
- Water dispersible
- Easy spreading

| Item Code | Size | Box qty. |
|--------------|------|----------|
| SBTHSEAL0025 | 25g | 24 |
| SBTHSEAL0050 | 50g | 24 |
| SBTHSEAL0100 | 100g | 24 |
| SBTHSEAL0250 | 250g | 24 |



| Item Code | Size | Box qty. |
|--------------|------|----------|
| SBSILAID0010 | 100g | 100 |
| SBSILAID0025 | 250g | 40 |
| SBSILAID0050 | 500g | 20 |



THE SYSTEM

To meet the increasing demand for a superior quality water storage solution, Supreme offers a wide range of water tanks under the brand name 'SILTANK'. Manufactured using superior quality virgin raw material, these tanks are made available from 100 to 10000 ltrs capacities. Siltank overhead water tanks are available in two, three, and four layered designs in different colours including the ISI variety in black colour. The four layered thermally insulated water tanks are exclusively designed using the foam layer to minimize the effects of sunlight. It keeps the water cool in summers and prevents it from getting too cold during winters. Besides being elegant, Siltanks are much stronger and durable due to their unique rib structured design. In addition to the overhead tanks, the Loft tanks in different sizes and varieties are made available to complete the range. Thus, Siltanks are much superior to any other water tanks available in the market in terms of strength, extraordinary performance and elegant looks. In short, Siltank is a 'value for money proposition' that delights the customers.

FEATURES AND BENEFITS

Rotationally moulded for maximum strength and better performance.

100% Virgin raw material- Promises superior quality and a long lasting performance.

Strong and durable - Unique and innovative design of the ribs makes it strong and sturdy which prevents the tank from bulging. Siltanks has a very good impact strength which makes them virtually unbreakable.

Thermal insulation - Provision of a foam layer in the tank improves the insulation and keeps water cool in summers. It also prevents water from getting too cold in winters.

UV-stability - Prevents material degradation due to the adverse effects of ultraviolet rays and ensures that there is no cracking or loss of physical properties.

Ideal for drinking water - Use of food grade virgin raw material ensures its suitability for potable water as the quality of water does not get affected even when stored for a long period.

Easy installation - Built in provision of hooks for lifting the tank to higher floors, makes installation comparatively easy.

Strong covers - Specially designed injection moulded covers are much stronger and its simple threaded design provides ease in opening and closing.

Full capacity guaranteed - Unlike commercial tanks the storage capacity of Supreme Siltank is equal or exceed to the stated capacity.

Assured quality - Rigorously tested to ensure the quality. Meets and exceeds all quality parameters as specified in BIS.

Product Range


| Item Code | Size in ltrs. | |
|--------------|---------------|---|
| RLTOWT0502BK | 500 |  |
| RLTOWT0752BK | 750 | |
| RLTOWT1002BK | 1000 | |
| RLTOWT1502BK | 1500 | |
| RLTOWT2002BK | 2000 | |
| RLTOWT3002BK | 3000 | |
| RLTOWT5002BK | 5000 | |
| | *7500 | |
| RLTOWT10000B | 10000 | |

Two Layer Overhead Water Tank

| | | |
|--------------|------|---|
| RLTOWT0203BL | 200 |  |
| RLTOWT0313BL | 300 | |
| RLTOWT0513BL | 500 | |
| RLTOWT0713BL | 750 | |
| RLTOWT1013BL | 1000 | |
| RLTOWT1513BL | 1500 | |
| RLTOWT2003BL | 2000 | |
| RLTOWT3003BL | 3000 | |
| RLTOWT5003BL | 5000 | |

Three Layer Overhead Water Tank

*Marked product will be shortly introduced


| Item Code | Size in ltrs. | |
|--------------|---------------|---|
| RLTOWT0503LB | 500 |  |
| RLTOWT0753LB | 750 | |
| RLTOWT1003LB | 1000 | |
| RLTOWT1503LB | 1500 | |
| RLTOWT2003LB | 2000 | |

Three Layer Overhead Water Tank

| | | |
|--------------|------|---|
| RLTOWT0313GD | 300 |  |
| RLTOWT0513GD | 500 | |
| RLTOWT0713GD | 750 | |
| RLTOWT1013GD | 1000 | |
| RLTOWT1503GD | 1500 | |
| RLTOWT2003GD | 2000 | |
| RLTOWT3003GD | 3000 | |
| RLTOWT5003GD | 5000 | |

Three Layer Overhead Water Tank

| Item Code | Size in ltrs. |
|--------------|---------------|
| RLTOWT0503YE | 500 |
| RLTOWT0753YE | 750 |
| RLTOWT1003YE | 1000 |
| RLTOWT1503YE | 1500 |
| RLTOWT2003YE | 2000 |
| RLTOWT3003YE | 3000 |
| RLTOWT5003YE | 5000 |



Three Layer Overhead Water Tank

| | |
|--------------|-------|
| RLTOWT0203WH | 200 |
| RLTOWT0313WH | 300 |
| RLTOWT0503WH | 500 |
| RLTOWT0753WH | 750 |
| RLTOWT1003WH | 1000 |
| RLTOWT1503WH | 1500 |
| RLTOWT2003WH | 2000 |
| RLTOWT3003WH | 3000 |
| RLTOWT5003WH | 5000 |
| RLTOWT10000W | 10000 |



Three Layer Overhead Water Tank

| | |
|--------------|------|
| RLTOWT0314YE | 300 |
| RLTOWT0504YE | 500 |
| RLTOWT0754YE | 750 |
| RLTOWT1004YE | 1000 |
| RLTOWT1504YE | 1500 |
| RLTOWT2004YE | 2000 |



Four Layer Overhead Water Tank

| Item Code | Size in ltrs. |
|--------------|---------------|
| RLTOWT0200WH | 200 |
| RLTOWT0314WH | 300 |
| RLTOWT0504WH | 500 |
| RLTOWT0754WH | 750 |
| RLTOWT1004WH | 1000 |
| RLTOWT1504WH | 1500 |
| RLTOWT2004WH | 2000 |
| RLTOWT3004WH | 3000 |
| RLTOWT5004WH | 5000 |



Four Layer Overhead Water Tank

| | |
|--------------|--------|
| RLTOWT0505BK | 500 |
| RLTOWT0705BK | 700 |
| RLTOWT1005BK | 1000 |
| RLTOWT1505BK | 1500 |
| RLTOWT2005BK | 2000 |
| RLTOWT3005BK | 3000 |
| RLTOWT5005BK | 5000 |
| | *10000 |

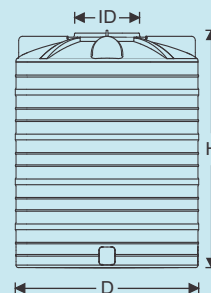


Two Layer Overhead Water Tank (ISI Mark)

Dimension of Siltank overhead water tanks

| Size (ltrs) | Layers | Dimensions | | |
|-------------|--------|------------|-----|------|
| | | D | ID | H |
| 200 | 3/4 | 704 | 370 | 703 |
| 300 | 3/4 | 769 | 370 | 833 |
| 500 | 2/3/4 | 868 | 370 | 1060 |
| 700 | 2 | 1030 | 370 | 1042 |
| 750 | 2/3/4 | 1000 | 370 | 1167 |
| 1000 | 2/3/4 | 1071 | 370 | 1325 |
| 1500 | 2/3/4 | 1267 | 370 | 1454 |
| 2000 | 2/3/4 | 1434 | 460 | 1503 |
| 3000 | 2/3/4 | 1611 | 460 | 1733 |
| 5000 | 2/3/4 | 1936 | 460 | 2047 |
| 7500 | 2 | 2050 | 460 | 2485 |
| 10000 | 2/3 | 2166 | 460 | 3100 |

(all dimensions are in mm)



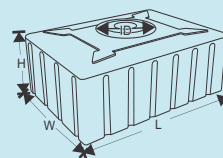
Siltank Covers (Lids)

| Item Code | Size in ltrs. |
|--------------------|-----------------------|
| MHDTTNKLID501500WH | 500 to 1500 (White) |
| MHDTTNKLID501500BK | 500 to 1500 (Black) |
| MHDTTNKLID501500BL | 500 to 1500 (Blue) |
| MHDTTNKLID501500LB | 500 to 1500 (Brown) |
| MHDTTNKLID501500GD | 500 to 1500 (Green) |
| MHDTTNKLID501500YE | 500 to 1500 (Yellow) |
| MHDTTNKLID205000WH | 2000 to 10000 (White) |
| MHDTTNKLID205000BK | 2000 to 10000 (Black) |
| MHDTTNKLID205000BL | 2000 to 5000 (Blue) |
| MHDTTNKLID205000LB | 2000 to 5000 (Brown) |
| MHDTTNKLID205000GD | 2000 to 5000 (Green) |
| MHDTTNKLID205000YE | 2000 to 5000 (Yellow) |



Loft Tanks

| Item Code | Size in ltrs. | Dimensions (mm) | | | |
|--------------|---------------|-----------------|------|-----|-----|
| | | L | W | H | ID |
| RLTLFT0100NT | 100 | 585 | 585 | 373 | 300 |
| RLTLFT0150NT | 150 | 715 | 715 | 371 | 300 |
| RLTLFT0201NT | 200 | 900 | 500 | 475 | 300 |
| RLTLFT0200NT | 200 | 965 | 705 | 385 | 300 |
| RLTLFT0300NT | 300 | 1205 | 825 | 378 | 300 |
| RLTLFT0400NT | 400 | 1195 | 920 | 450 | 300 |
| RLTLFT0401NT | 400 | 1290 | 1004 | 390 | 300 |
| RLTLFT0500NT | 500 | 1415 | 870 | 490 | 300 |
| RLTLFT0501NT | 500 | 1505 | 996 | 408 | 300 |
| RLTLFT1000BK | 1000 | 1490 | 995 | 660 | 300 |



Loft Tanks Covers

| Item Code | Size in ltrs. |
|--------------------|---------------------|
| MHDPLFTLID200500WH | 100/200/300/400/500 |
| 1606846 | 1000 |



*Marked product will be shortly introduced

THE SYSTEM


We have introduced yet another unique variety of quality blow moulded water storage tanks under the brand name 'ECOSIL' to give our customers a value added water storage solution at an affordable cost. These lightweight yet strong and sturdy overhead water storage tanks are manufactured from virgin raw material. These tanks offer many good features that make them unique in all respect. ECOSIL tanks are made available in four layered design that makes them tougher and more durable. The inner layer made from antibacterial material assures odor-free, safe water quality in all seasons. These tanks are supplied in white colour up to 2,000 ltrs capacities.

APPLICATION

Residential and Commercial Buildings.

Product Range

| Item Code | Size in ltrs. |
|-----------|---------------|
| | *500 |
| | *750 |
| | *1000 |
| | *1500 |
| | *2000 |



Four Layer Overhead Water Tank

*Marked product will be shortly introduced

FEATURES AND BENEFITS

Extra strength and superior performance

100% virgin, food grade HDPE raw material ensures suitability for storage of drinking water

Strong and sturdy design which eliminates stress formation

UV resistant covers with threaded locking provision

Antibacterial : 100% hygienic and safe as it does not support bacterial growth.

Odorless

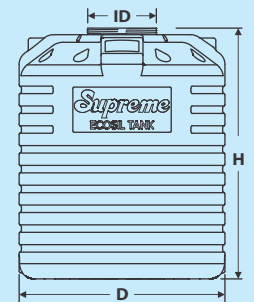
Assured quality performance

Maintenance free

Dimension of ECOSIL overhead water tanks

| Size (ltrs) | Layers | Dimensions | | |
|-------------|--------|------------|-----|------|
| | | D | ID | H |
| 500 | 4 | 920 | 444 | 918 |
| 750 | 4 | 980 | 444 | 1165 |
| 1000 | 4 | 1100 | 444 | 1265 |
| 1500 | 4 | 1280 | 444 | 1375 |
| 2000 | 4 | 1350 | 444 | 1645 |

(all dimensions are in mm)



THE SYSTEM

After an encouraging response to the Siltank and Amrutam water tanks, we have introduced yet another premium quality water storage tanks under the brand name 'Weather Shield'. These first of its kind overhead water tanks are designed to offer many best in class features and to meet the requirements of superior insulation and high end applications. These tanks are offered in 500 to 1500 ltrs capacities in three attractive colours. These five layered tanks have extra thick foam layer to provide superior thermal insulation properties. Besides being elegant design, these tanks are strong, sturdy and virtually unbreakable.

FEATURES AND BENEFITS

Rotationally moulded - for maximum strength and superior performance.

100% virgin, food grade raw material - Promises 100% safety and suitability of drinking water and liquid foods even when stored for long durations. Unlike commercial tanks made out of rework material, stored water in weathershield remains unaffected and free from any taste, odor or colour.

Superior thermal insulation - Five layered design with extra thick foam layer and insulated covers ensures superior insulation properties. It keeps the water cool in summers and reasonably warm during winters. Lab tests have revealed that there is @ 15-20° C temperature difference between stored water and the ambient temperature.

Anti-bacterial - 100% hygienic and safe as the anti-bacterial grade raw material is being used for inside layer does not support bacterial growth.

All weather resistance - Outer layer made of UV resistant material helps to prevent degradation due to the effects of

ultraviolet rays and keeps it free from any crack development or loss of physical properties.

Strong and sturdy insulated covers with inbuilt locking provision - Specially designed rotationally moulded threaded covers are not only strong and insulated but also very easy to open and close. Provided with a inbuilt locking provision these covers safeguard the water against water theft and its contamination.

Provided with water level indicator and pump controller - Provision of water level indicator helps in controlling the water usage. The pump controller automatically stops the pump when the tank gets completely filled with water avoiding the overflow. This function not only help to save the precious water but the energy loss on account of its pumping.

Extra strong and durable design - Elegant and sturdy five layered design of the tank makes it more tough and strong to withstand environmental changes and protect it from bulging. These tanks have good impact strength and are virtually unbreakable.


Readymade base plate for easy installation - Availability of readymade base plates provides readymade platform to directly place the water tanks over it. Readymade base plates provides a firm, leveled and sturdy platform and also facilitates simple and fast installation. It makes the job more convenient while installing Y-Strainers.

Provision of inbuilt hooks - Provides ease while lifting the tank to the higher floors.

Assured quality - Rigorously tested to ensure the superior quality. Meets and exceeds all quality parameters specified in the BIS Standard.

Product Range

| Item Code | Size in ltrs. |
|-------------------------------------|---------------|
| RLTOWT0501MB | 500 |
| RLTOWT0751MB | 750 |
| RLTOWT1001MB | 1000 |
| RLTOWT1501MB (With Control Unit) | 1500 |
| RLTOWT0502MB | 500 |
| RLTOWT0752MB | 750 |
| RLTOWT1002MB | 1000 |
| RLTOWT1502MB (Without Control Unit) | 1500 |



Five Layer Premium Overhead Water Tank

| Item Code | Size in ltrs. |
|-------------------------------------|---------------|
| RLTOWT0501GW | 500 |
| RLTOWT0751GW | 750 |
| RLTOWT1001GW | 1000 |
| RLTOWT1501GW (With Control Unit) | 1500 |
| RLTOWT0502GW | 500 |
| RLTOWT0752GW | 750 |
| RLTOWT1002GW | 1000 |
| RLTOWT1502GW (Without Control Unit) | 1500 |



Five Layer Premium Overhead Water Tank

| Item Code | Size in ltrs. |
|-----------|---------------|
|-----------|---------------|

| | |
|---------------------|------|
| RLTOWT501GYG | 500 |
| RLTOWT751GYG | 750 |
| RLTOWT1001GY | 1000 |
| RLTOWT1501GY | 1500 |
| (With Control Unit) | |

| | |
|------------------------|------|
| RLTOWT502GYG | 500 |
| RLTOWT752GYG | 750 |
| RLTOWT1002GY | 1000 |
| RLTOWT1502GY | 1500 |
| (Without Control Unit) | |

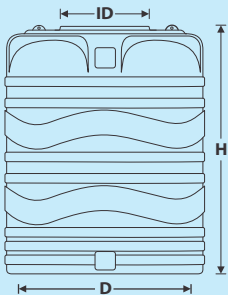


Five Layer Premium Overhead Water Tank

Dimension of WeatherShield premium overhead water tanks

| Size (ltrs) | Layers | Dimensions | | |
|-------------|--------|------------|-----|------|
| | | D | ID | H |
| 500 | 5 | 886 | 370 | 1023 |
| 750 | 5 | 1000 | 370 | 1212 |
| 1000 | 5 | 1081 | 370 | 1345 |
| 1500 | 5 | 1258 | 370 | 1500 |

(all dimensions are in mm)



| Item Code | Size in ltrs. |
|-----------|---------------|
|-----------|---------------|

| | |
|--------------|-------------|
| RLTLID501MBG | 500 to 1500 |
|--------------|-------------|



| | |
|--------------|-------------|
| RLTLID501GWH | 500 to 1500 |
|--------------|-------------|

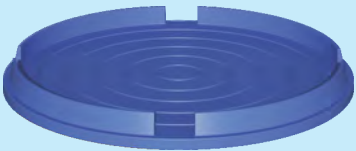


| | |
|--------------|-------------|
| RLTLID501GYG | 500 to 1500 |
|--------------|-------------|



Covers (Lid)

| | |
|--------------|------|
| RLTTB0500PBL | 500 |
| RLTTB0750PBL | 750 |
| RLTTB1000PBL | 1000 |



Base Plate

THE SYSTEM

Supreme is pleased to offer an exhaustive range of heavy-duty, large capacity readymade underground water storage tanks that lasts for a lifetime. These ready to use tanks in plastics are offered under the brand name 'Amrutam'. Manufactured using the best quality virgin raw material, Amrutam underground tanks are equipped with many outstanding features that makes these tanks superior substitute to the conventional RCC and masonry tanks. Unlike conventional tanks these tanks are completely free from time consuming construction, crack formation, infiltration and ex-filtration, root penetration, repeated maintenance, short and uncertain life span. Being free from these problems, Amrutam tanks are absolutely hygienic and safe.

FEATURES AND BENEFITS

Rotationally moulded - Supreme Amrutam underground water tanks are manufactured by rotational moulding process which produces a one piece, seamless, strong and watertight product.

Unique single piece patented design - Amrutam underground water tanks have unique patented design.

Great strength - Robust in design with a unique ribbed

structure provides superior structural integrity to the tank. It makes the tank strong enough to meet various loading and handling requirements.

Simple and quick installation - Amrutam ready to use water tanks are light in weight and hence the installation becomes very simple and quick. Minimum requirement of excavation further saves lot on time and costs. Installation of these tanks can be carried out even by unskilled workers with proper training. Amrutam polyethylene underground water tanks are designed for durability, easy and quick installation and can be transported to the job site in a pickup van.

Minimum space requirement - The tanks requires minimum space with minimum excavation.

100% Watertight

Hygienic and Safe - Free from root penetration, corrosion and biological growth.

Provided with air tight threaded covers.

Minimal maintenance ensures economy over a period of time.

Long Life - minimum 50 years of service life

Eco-friendly

Product Range

| Item Code | Size in ltrs. |
|-----------|---------------|
|-----------|---------------|

| | |
|--------------|------|
| RLTUWT1000TC | 1000 |
| RLTUWT1500TC | 1500 |
| RLTUWT2003TC | 2000 |
| RLTUWT3000TC | 3000 |

| Item Code | Size in ltrs. |
|-----------|---------------|
|-----------|---------------|

| | | |
|--------------|-------|---|
| RLTUWT6000TC | 6000 | (Stand-alone) |
| RLTUWT0100TC | 10000 | (Domed end 5000 ltrs x 2 nos.) |
| RLTUWT0140TC | 14000 | (Domed end 5000 ltrs x 2 nos. + Inner 4000 ltrs x 1 no.) |
| RLTUWT0180TC | 18000 | (Domed end 5000 ltrs x 2 nos. + Inner 4000 ltrs x 2 nos.) |
| RLTUWT0220TC | 22000 | (Domed end 5000 ltrs x 2 nos. + Inner 4000 ltrs x 3 nos.) |
| RLTUWT0260TC | 26000 | (Domed end 5000 ltrs x 2 nos. + Inner 4000 ltrs x 4 nos.) |
| RLTUWT0300TC | 30000 | (Domed end 5000 ltrs x 2 nos. + Inner 4000 ltrs x 5 nos.) |

Tanks upto 90000 ltrs are also made available.



Underground Water Tank
(Vertical)



Underground Water Tank
(Modular)

THE SYSTEM

Recently company has come out with a wide range of bath fittings in engineering plastics. These bath fittings are introduced under the brand name "Aquakraft". Our products are designed with world class technology that follows latest market trends. We manufacture these bath fittings using 100% virgin material and adopting stringent quality parameters which ensures leak free, drip free and long lasting products. This is ensured through life cycle test. Aquakraft fittings are featured with excellent resistance to chemicals and salt deposits besides economy and user friendliness.

State-of-the-art manufacturing facility and a robotic system used for assembling these touch free bath fittings makes them highly reliable.

SPECIAL FEATURES

CORROSION FREE

LEAK FREE

DRIP FREE

Acer Series (Quarter Turn)

| Item Code | Size in mm | Box qty. | |
|---|------------|----------|---|
| Bib Tap with Flange TAPSBQAY01 (TW) | 15 | 78 |  |
| Bib Tap Long with Flange TAPSB7QY01 (TW) | 15 | 52 |  |
| Right Angle Stop Tap TAPRAQAY01 (TW) | 15 | 90 |  |
| Wall Sink Tap TAPWSQAY01 (TW) | 15 | 27 |  |

FEATURES AND BENEFITS






- Easy to fix
- Long life due to no metal parts in function
- Spindle can be replaced easily
- Aerators can be cleaned easily
- All taps are of standard ½" BSP threads and can be replaced easily
- UV-stabilized, high fatigue resistance and flexural strength
- Made out of engineering plastics
- No fading of colour, no dust or salt sedimentation
- No moisture effect, like black spots
- Can be used for hot and cold application up to 65°C
- Light in weight
- Cost effective
- Excellent style and finish besides being environmental friendly

| Item Code | Size in mm | Box qty. | |
|--|------------|----------|---|
| Bib Tap with Flange TAPSBQMW01 (O'Black) | 15 | 78 |  |
| Bib Tap Long with Flange TAPSB7QMW1 (O'Black) | 15 | 52 |  |
| Right Angle Stop Tap TAPRAQMW01 (O'Black) | 15 | 90 |  |
| Wall Sink Tap TAPWSQMW01 (O'Black) | 15 | 27 |  |

*WH:White | TW:Texla White | MW:Milky White

Elegant Series (Quarter Turn)

| Item Code | Size in mm | Box qty. | |
|---|------------|----------|--|
| Bib Tap | | | |
| TAPSBQET01 (TW) | 15 | 78 | |
| TAPSBQEW01 (WH) (Without Flange) | 15 | 78 | |
| TAPSBQFET1 (TW) | 15 | 78 | |
| TAPSBQFEW1 (WH) (With Flange) | 15 | 78 | |
| Bib Tap Long | | | |
| TAPSB7ET01 (TW) | 15 | 56 | |
| TAPSB7EW01 (WH) | 15 | 56 | |
| Right Angle Stop Tap | | | |
| TAPRAQET01 (TW) | 15 | 105 | |
| TAPRAQEW01 (WH) | 15 | 105 | |
| Garden Tap/Washing Machine Tap | | | |
| TAPSGTET01 (TW) | 15 | 80 | |
| TAPSGTEW01 (WH) (Garden Tap) | 15 | 80 | |
| TAPSWTET01 (TW) | 15 | 80 | |
| TAPSWTEW01 (WH) (Washing Machine Tap) | 15 | 80 | |
| | | | |

| Item Code | Size in mm | Box qty. | |
|-----------------------------------|------------|----------|--|
| Pillar Tap | | |  |
| TAPPTQET01 (TW) | 15 | 63 | |
| TAPPTQEW01 (WH) | 15 | 63 | |
| 2-Way Bib Tap | | |  |
| TAPS2WET01 (TW) | 15 | 27 | |
| TAPS2WEW01 (WH) | 15 | 27 | |
| Wall Sink Tap | | |  |
| TAPWSQET01 (TW) | 15 | 27 | |
| TAPWSQEW01 (WH) | 15 | 27 | |
| Table Sink Tap | | |  |
| TAPTSQET01 (TW) | 15 | 27 | |
| | | | |
| 2 Way Right Angle Stop Tap | | |  |
| TAP2WRET01 (TW) | 15 | 45 | |
| TAP2WREW01 (WH) | 15 | 45 | |




Elegant Series (Quarter Turn) ('O' Black)

| | | | |
|--|----|-----|--|
| Bib Tap | | | |
| TAPSBQEM01 (Without Flange) | 15 | 78 | |
| TAPSBQFEM1 (With Flange) | 15 | 78 | |
| Bib Tap Long | | | |
| TAPSB7EM01 | 15 | 56 | |
| Right Angle Stop Tap | | | |
| TAPRAQEM01 | 15 | 105 | |
| Garden Tap/ Washing Machine Tap | | | |
| TAPSGTEM01 (Garden Tap) | 15 | 80 | |
| TAPSWTEM01 (Washing Machine Tap) | 15 | 80 | |
| Pillar Tap | | | |
| TAPPTQEM01 | 15 | 63 | |

| | | | |
|-----------------------------------|----|----|--|
| 2-Way Bib Tap | | | |
| TAPS2WEM01 | 15 | 27 | |
| Wall Sink Tap | | | |
| TAPWSQEM01 | 15 | 27 | |
| Table Sink Tap | | | |
| TAPTSQEM01 | 15 | 27 | |
| 2 Way Right Angle Stop Tap | | | |
| TAP2WREM01 | 15 | 45 | |

*WH:White | TW:Texla White | MW:Milky White

Classic Series (Quarter Turn)

| Item Code | Size in mm | Box qty. | |
|---|------------|----------|--|
| Bib Tap | | |  |
| TAPSBQCT01 (TW) | 15 | 78 | |
| TAPSBQCW01 (WH) (Without Flange) | 15 | 78 | |
| TAPSBQFCT1 (TW) | 15 | 78 | |
| TAPSBQFCW1 (WH) (With Flange) | 15 | 78 | |
| Bib Tap Long | | |  |
| TAPSB7CT01 (TW) | 15 | 56 | |
| TAPSB7CW01 (WH) | 15 | 56 | |
| Right Angle Stop Tap | | |  |
| TAPRAQT01 (TW) | 15 | 105 | |
| TAPRAQCW01 (WH) | 15 | 105 | |
| Garden Tap/ Washing Machine Tap | | |  |
| TAPSGTCT01 (TW) | 15 | 80 | |
| TAPSGTCW01 (WH) (Garden Tap) | 15 | 80 | |
| TAPSWTCT01 (TW) | 15 | 80 | |
| TAPSWTCW01 (WH) (Washing Machine Tap) | 15 | 80 | |

| Item Code | Size in mm | Box qty. | |
|-----------------------------------|------------|----------|--|
| Pillar Tap | | |  |
| TAPPTQCT01 (TW) | 15 | 63 | |
| TAPPTQCW01 (WH) | 15 | 63 | |
| 2-Way Bib Tap | | |  |
| TAPS2WCT01 (TW) | 15 | 27 | |
| TAPS2WCW01 (WH) | 15 | 27 | |
| Wall Sink Tap | | |  |
| TAPWSQCT01 (TW) | 15 | 27 | |
| TAPWSQCW01 (WH) | 15 | 27 | |
| 2 Way Right Angle Stop Tap | | |  |
| TAP2WRCT01 (TW) | 15 | 45 | |
| TAP2WRCW01 (WH) | 15 | 45 | |
| Wall Mixer | | |  |
| TAPWLMXT01 (TW) | 15 mm | 20 | |
| TAPWLMXM01 (MW) | 15 mm | 20 | |

Classic Series (Quarter Turn) ('O' Black)

| | | | |
|---|----|-----|---|
| Bib Tap | | |  |
| TAPSBQCM01 (Without Flange) | 15 | 78 | |
| TAPSBQFCM1 (With Flange) | 15 | 78 | |
| Bib Tap Long with Flange | | |  |
| TAPSB7CM01 | 15 | 56 | |
| Right Angle Stop Tap | | |  |
| TAPRAQCM01 | 15 | 105 | |
| Garden Tap / Washing Machine Tap | | |  |
| TAPSGTCM01 (Garden Tap) | 15 | 80 | |
| TAPSWTCM01 (Washing Machine Tap) | 15 | 80 | |

| | | | |
|-----------------------------------|----|----|---|
| Pillar Tap | | | |
| TAPPTQCM01 | 15 | 63 |  |
| 2-Way Bib Tap | | | |
| TAPS2WCM01 | 15 | 27 |  |
| Wall Sink Tap | | | |
| TAPWSQCM01 | 15 | 27 |  |
| 2 Way Right Angle Stop Tap | | | |
| TAP2WRCM01 | 15 | 45 |  |

*WH:White | TW:Texla White | MW:Milky White

Royal Series (Full Turn)

| Item Code | Size in mm | Box qty. |
|-----------|------------|----------|
|-----------|------------|----------|

Bib Tap

| | | |
|--|----|----|
| TAPFSEOTW1 (TW) | 15 | 78 |
| TAPFTBTOW1 (WH) (Without Flange) | 15 | 78 |
| TAPFSEFTW1 (TW) | 15 | 78 |
| TAPFTBTFW1 (WH) (With Flange) | 15 | 78 |

Bib Tap Long

| | | |
|--------------------|----|----|
| TAPLFATW01 (TW) | 15 | 56 |
| TAPFTBTLW1 (WH) | 15 | 56 |

Right Angle Stop Tap

| | | |
|--------------------|----|-----|
| TAPRFATW01 (TW) | 15 | 105 |
|--------------------|----|-----|

Garden Tap / Washing Machine Tap

| | | |
|---|----|----|
| TAPFTGAT01 (TW) | 15 | 80 |
| TAP34GTFTW (TW) | 20 | 80 |
| TAPFTGAW01 (WH) (Garden Tap) | 15 | 80 |
| TAPFTWAT01 (TW) | 15 | 80 |
| TAPFTWAW01 (WH) (Washing Machine Tap) | 15 | 80 |



| Item Code | Size in mm | Box qty. |
|-----------|------------|----------|
|-----------|------------|----------|

Pillar Tap

| | | |
|-------------------------|----|----|
| TAPFTPIW01 (O'Black) | 15 | 63 |
| TAPFTPIW01 (WH) | 15 | 63 |

2 Way Bib Tap

| | | |
|--------------------|----|----|
| TAPFT2WBT1 (TW) | 15 | 27 |
| TAPFT2WBW1 (WH) | 15 | 27 |

Wall Sink Tap

| | | |
|--------------------|----|----|
| TAPWFATW01 (TW) | 15 | 27 |
|--------------------|----|----|

2-Way Right Angle Stop Tap

| | | |
|-------------------------|----|----|
| TAPFT2WRM1 (O'Black) | 15 | 45 |
| TAPFT2WRW1 (WH) | 15 | 45 |



Royal Series (Full Turn) ('O' Black)

Bib Tap

| | | |
|--------------------------------|----|----|
| TAPFSEOMW1 (Without Flange) | 15 | 78 |
| TAPFSEFMW1 (With Flange) | 15 | 78 |

Bib Tap Long

| | | |
|------------|----|----|
| TAPLFAMW01 | 15 | 56 |
|------------|----|----|

Wall Sink Tap

| | | |
|------------|----|----|
| TAPWFAMW01 | 15 | 27 |
|------------|----|----|



Right Angle Stop Tap

| | | |
|------------|----|-----|
| TAPRFAMW01 | 15 | 105 |
|------------|----|-----|

2 Way Bib Tap

| | | |
|------------|----|----|
| TAPFT2WBM1 | 15 | 27 |
|------------|----|----|







Garden Tap / Washing Machine Tap

| | | |
|-------------------------------------|----|----|
| TAPFTGAM01 | 15 | 80 |
| TAP34GTFOB (Garden Tap) | 20 | 80 |
| TAPFTWAM01 (Washing Machine Tap) | 15 | 80 |





*WH: White | TW: Texla White | MW: Milky White.



Crown Series (Full Turn)

| Item Code | Size in mm | Box qty. | |
|---|------------|----------|---|
| Bib Tap | | |  |
| TAPCRBTT01 (TW) | 15 | 78 | |
| TAPCRBTM01 (MW) (With Flange) | 15 | 78 | |
| Bib Tap Long | | |  |
| TAPCRBTLT1 (TW) | 15 | 56 | |
| TAPCRBTLM1 (MW) | 15 | 56 | |
| Right Angle Stop Tap | | |  |
| TAPCRRAST1 (TW) | 15 | 105 | |
| TAPCRRASM1 (MW) (With Flange) | 15 | 105 | |
| Garden Tap / Washing Machine Tap | | |  |
| TAPCRGAT01 (TW) | 15 | 80 | |
| TAPCRGAM01 (MW) (Garden Tap) | 15 | 80 | |
| TAPCRWAT01 (TW) | 15 | 80 | |
| TAPCRWAM01 (MW) (Washing Machine Tap) | 15 | 80 | |
| Pillar Tap | | |  |
| TAPCRPIW01 (MW) | 15 | 63 | |
| 2 Way Bib Tap | | |  |
| TAPCR2WT01 (TW) | 15 | 27 | |
| TAPCR2WM01 (MW) | 15 | 27 | |

| Item Code | Size in mm | Box qty. | |
|-----------------------------------|------------|----------|---|
| Wall Sink Tap | | |  |
| TAPCRWST01 (TW) | 15 | 27 | |
| TAPCRWSM01 (MW) | 15 | 27 | |
| 2-Way Right Angle Stop Tap | | |  |
| TAPCR2WRW1 (MW) | 15 | 45 | |
| Wall Mixer | | |  |
| TAPCRWLT01 (TW) | 15 | 20 | |
| TAPCRWLM01 (MW) | 15 | 20 | |
| Swan Neck Sink Tap Square | | |  |
| TAPCSWSQM1 (MW) | 15 | 27 | |
| Swan Neck Sink Tap Round | | |  |
| TAPCSWROM1 (MW) | 15 | 27 | |

Marvel Series (Quarter Turn)

| | | | |
|-----------------------|----|----|---|
| Bib Tap | | | |
| TAPMBTQM01 | 15 | 45 |  |
| | | | |
| 2 in 1 Bib Tap | | | |
| TAPM2WQM01 | 15 | 45 |  |

| | | | |
|--------------------|----|----|---|
| Angular Tap | | | |
| TAPMATQM01 | 15 | 50 |  |
| | | | |
| Pillar Tap | | | |
| TAPMPTQM01 | 15 | 56 |  |

*WH:White | TW:Texla White | MW:Milky White

Special Series

Item Code Size in mm Box qty.

Push Tap with Flange (Plain)

| | | |
|--------------------|----|----|
| TAPPTFAY01 (TW) | 15 | 85 |
| TAPPTFMW01 (MW) | 15 | 85 |

Push Tap with Flange (Threaded)

| | | |
|--------------------|----|----|
| TAPPTFAY02 (TW) | 15 | 85 |
| TAPPTFMW02 (MW) | 15 | 85 |

Wonder Tap

| | | |
|--------------------|----|-----|
| TAPWONTA01 (TW) | 15 | 100 |
|--------------------|----|-----|

Murphy Pillar Tap Quarter Turn

| | | |
|-------------------------|----|----|
| TAPMURPQT1 (TW) | 15 | 48 |
| TAPMURPQB1 (O Black) | 15 | 48 |
| TAPMURPQM1 (MW) | 15 | 48 |

Item Code Size in mm Box qty.

Trim Tap

| | | |
|---|----|-----|
| TAPTRMBT01 (TW) | 15 | 108 |
| TAPTRBTM01 (O' Black) (With Flange) | 15 | 108 |

Stop Cock

| | | |
|--------------------|----|----|
| TAP34SCKTW (TW) | 20 | 50 |
|--------------------|----|----|

Bib Tap with Brass Inlet (Quarter Turn)

| | | |
|--------------------------|----|----|
| TAPBTBRQM1 (O' Black) | 15 | 78 |
|--------------------------|----|----|

Shower & Faucet

N-Shower Long

| | | |
|--------------------|----|----|
| TAPNSHAY01 (TW) | 15 | 32 |
| TAPNSHMW01 (MW) | 15 | 32 |

Flow Control Shower

| | | |
|--------------------|----|----|
| TAPFCSAY01 (TW) | 15 | 50 |
|--------------------|----|----|

Amaze Overhead Shower

| | | |
|--------------------|----|----|
| TAPAMAZT01 (TW) | 15 | 30 |
| TAPAMAZM01 (MW) | 15 | 30 |

Oracle Overhead Shower

| | | |
|--------------------|----|----|
| TAPORSHT01 (TW) | 15 | 30 |
| TAPORSHM01 (MW) | 15 | 30 |

Roman Hand Shower

| | | |
|-------------------------------------|----|----|
| TAPROMNT01 (TW) | 15 | 32 |
| TAPROMNM01 (MW) | 15 | 32 |
| TAPROMCTW1 (TW) | 15 | 27 |
| TAPROMCMW1 (MW) (with 1.5 m.) | 15 | 27 |

Drizzler 2 in 1 Faucet

| | | |
|------------------------------------|----|----|
| TAPFDRZT01 (TW) | 15 | 48 |
| TAPFDRZM01 (MW) (with 1 m.) | 15 | 48 |
| TAPFDRZCW1 (with 1.2 m. Chrome) | 15 | 48 |

2-in-1 Faucet (Body)

| | | |
|--------------------|----|----|
| TAPFB2AY01 (TW) | 15 | 75 |
| TAPFB2AY02 (MW) | 15 | 75 |

Faucet 2-in-1

| | | |
|-------------------------------------|----|----|
| TAPFA1AY01 (TW) | 15 | 32 |
| TAPFA1MW01 (MW) (with 1 m.) | 15 | 32 |
| TAPFA2AY01 (TW) | 15 | 32 |
| TAPFA2MW01 (MW) (with 1.5 m.) | 15 | 32 |

Premium Faucet

| | | |
|-----------------------------------|----|----|
| TAPFP1TW01 (TW) | 15 | 32 |
| TAPFP1MW01 (MW) (1 m. Hose) | 15 | 32 |

*WH:White | TW:Texla White | MW:Milky White

Bathroom Accessories

| Item Code | Size in mm | Box qty. | | Item Code | Size in mm | Box qty. | |
|--|------------|----------|---------------------------------|--|------------|----------|--|
| Waste Coupling (Full Threaded) | | | | Connection Tube | | | |
| TAPWACAY01 (TW) | 32 | 100 | | TAPCOTMW03 (MW) (With 2.5 ft.) | 15 | 100 | |
| TAPWACAY02 (MW) | 32 | 100 | | TAPPVCTAY1 (TW) | 15 | 75 | |
| Corrugated Waste Pipe | | | | TAPPVCTMW1 (MW) (With 1 m.) | 15 | 75 | |
| TAPWPCAY02 (MW) | 50 | | | TAPPVCTAY2 (TW) | 15 | 50 | |
| TAPWPCAY03 (MW) (930mm length) | 60 | | | TAPPVCTMW2 (MW) (With 1.5 m.) | 15 | 50 | |
| PVC Waste Pipe | | | | TAPCOT2MTW (TW) | 15 | 50 | |
| TAPWPTAY01 (TW) | 32 | 60 | | TAPCOT2MMW (MW) (With 2 m.) | 15 | 50 | |
| TAPWPTMW01 (MW) Available in 750mm length | 32 | 60 | | Connection Tube for Commode Jet | | | |
| TAPWPTAY02 (TW) | 32 | 40 | TAPPVCCJ01 (With 1m.) | | 100 | | |
| TAPWPTMW02 (MW) Available in 900mm length | 32 | 40 | Foot Valve (Spring Type) | | | | |
| Braided Hose | | | TAPFOTVA01 | 25 | 99 | | |
| TAPCOTBT03 (MW) (With 1ft.) | 15 | 60 | Foot Valve (Flap Type) | | | | |
| TAPCOTBT01 (MW) (With 1.5 ft.) | 15 | 60 | TAPFOTFL25 | 25 | 80 | | |
| TAPCOTBT02 (MW) (With 2 ft.) | 15 | 60 | TAPFOTFL32 | 32 | 60 | | |
| Commode Spray | | | | TAPFOTFL40 | 40 | 52 | |
| TAPCOMAY01 (TW) | 15 | 125 | | TAPFOTFL50 | 50 | 46 | |
| TAPCOMAY02 (MW) | 15 | 125 | | TAPFOTFL65 | 65 | 24 | |
| TAPCSHAY01 (TW) | 15 | 32 | | TAPFOTFL75 | 75 | 10 | |
| TAPCSHAY02 (MW) (With 1m Hose) | 15 | 32 | | TAPFOTFL90 | 90 | 10 | |
| Commode Jet Spray Patti | | | | TAPFOTF100 | 100 | 3 | |
| TAPCJSPA01 (WH) (With 1m Hose) | 15 | 32 | | Float Valve | | | |
| Urinal Jet Spray | | | | TAPFVBAY01 | 15 | 30 | |
| TAPUJSAY01 (TW) | | 105 | | TAPFVBAY02 | 20 | 26 | |
| Connection Tube | | | | TAPFVBAY03 | 25 | 10 | |
| TAPCOT1FTW (TW) | 15 | 100 | | TAPFVBAY04 | 32 | 10 | |
| TAPCOT1FMW (MW) (With 1 ft.) | 15 | 100 | | TAPFVBAY05 | 40 | 6 | |
| TAPCOTAY01 (TW) | 15 | 100 | | TAPFVBAY06 | 50 | 3 | |
| TAPCOTMW01 (MW) (With 1.5 ft.) | 15 | 100 | | Bottle Trap | | | |
| TAPCOTAY02 (TW) | 15 | 100 | | TAPBOTAY01 (TW) | | 12 | |
| TAPCOTMW02 (MW) (With 2 ft.) | 15 | 100 | TAPBOTAY02 (MW) | | 12 | | |
| Cockroach Trap | | | | Tile Trap | | | |
| TAPCTRAPMW (MW) | | 30 | | TAPTILTM01 | | 60 | |
| Tile Trap | | | | TAPTITRP01 (For Pipe) | | 60 | |

*WH:White | TW:Texla White | MW:Milky White

| Item Code | Size in mm | Box qty. | | Item Code | Size in mm | Box qty. | |
|--------------------------------------|------------|----------|---|--|------------|----------|---|
| Nylee Single Flushing Cistern | | |  | Konarc Corner Cabinet - 2 Shelf | | |  |
| TAPNFCTW01 (TW) | | 6 | | TAPKC2SOB1 (O'Black) | | 2 | |
| TAPNFCMW01 (WH) | | 6 | | TAPKC2SBL1 (Blue) | | 2 | |
| | | | | TAPKC2SRE1 (Red) | | 2 | |
| Tapti Single Flushing Cistern | | |  | Konarc Corner Cabinet - 3 Shelf | | |  |
| TAPTIFCT01 (TW) | | 6 | | TAPKC3SOB1 (O'Black) | | 2 | |
| TAPTIFCW01 (MW) | | 6 | | TAPKC3SBL1 (Blue) | | 2 | |
| | | | | TAPKC3SRE1 (Red) | | 2 | |
| Aura Single Flushing Cistern | | |  | Alpha Bib Tap | | |  |
| TAPAFCW01 with pipe (MW) | | 4 | | TAPALBTGR1 (Green) | | 64 | |
| TAPAFCWOP1 without pipe (MW) | | 4 | | TAPALBTBL1 (Blue) | | 64 | |
| | | | | TAPALBTGY1 (Grey) | | 64 | |
| Avon Dual Flushing Cistern | | |  | Alpha Pillar Tap | | |  |
| TAPAFCAIV1 (TW) | | 6 | | TAPALPTGR1 (Green) | | 78 | |
| TAPAFCAT01 (MW) | | 6 | | TAPALPTBL1 (Blue) | | 78 | |
| | | | | TAPALPTGY1 (Grey) | | 78 | |
| Photon Bathroom Cabinet | | |  | EVA Bib Tap | | |  |
| TAPPHBCW01 (MW) | | 4 | | TAPEBTQM01 (MW) | | 64 | |
| | | | | | | | |
| Photon Mirror | | |  | EVA Pillar Tap | | |  |
| TAPPHMRT01 (TW) | | 8 | | TAPEPTQM01 (MW) | | 64 | |
| TAPPHMRW01 (MW) | | 8 | | | | | |
| Wash Basin | | |  | Evolve Ball Valve | | |  |
| TAPWBSNM01 | | 8 | | TAPBLVLM01 15 (1/2") | | 85 | |
| | | | | TAPBLVLM02 20 (3/4") | | 52 | |
| | | | | TAPBLVLM03 25 (1") | | 54 | |
| Corner Tray | | |  | Universal Discharge Pipe Split Type | | |  |
| TAPCORNT01 | | 40 | | 1606383 Straight Pipe (TW) | | 20 | |
| Dual Soap Case | | |  | 1605900 Straight Pipe (MW) | | 20 | |
| TAPDULST01 | | 45 | | 1606385 Bend Pipe (TW) | | 20 | |
| Corner Tray | | |  | 1605899 Bend Pipe (MW) | | 20 | |
| TAPCORN9MW 9" (MW) | | 8 | | 1606384 Extension Pipe (TW) | | 20 | |
| TAPCOR11MW 11" (MW) | | 8 | | 1605898 Extension Pipe (MW) | | 20 | |
| Corner Rack | | |  | | | | |
| TAPCR9IN3T 9" - 3 Tier (MW) | | 8 | | | | | |
| TAPCR11N3T 11" - 3 Tier (MW) | | 8 | | | | | |










*WH:White | TW:Texla White | MW:Milky White

AQUATIC Chrome Series

| Item Code | Size in mm | Box qty. | |
|--|------------|-----------|---|
| Bib Tap (Quarter Turn) TAPQBTCA01 | | 50 |  |
| Right Angle Stop Tap (Quarter Turn) TAPQRTCA01 | | 50 |  |
| Pillar Tap (Quarter Turn) TAPQPTCA01 | | 50 |  |
| 2 Way Bib Tap (Quarter Turn) TAPQ2WCA01 | | 50 |  |
| Bath Spout TAPBSPTC01 | 3/4" | 64 |  |
| Sensor Rain Shower Luxury TAPSRSLCA1 | | 16 |  |
| Square Rain Shower TAPSQRSCA1 | | 20 |  |
| Square Shower TAPSQS4CA1 - 4" TAPSQS6CA1 - 6" | | 100 45 |  |
| Round Shower Disc TAPROSDCA1 | | 60 |  |
| Ambit Round Shower TAPROSACA1 | | 80 |  |





| Item Code | Size in mm | Box qty. | |
|--|------------|----------------|---|
| Round Shower Mini TAPROSMCA1 | | 60 |  |
| Sensor Rain Shower Desire TAPSRSDCA1 | | 16 |  |
| Round Rain Shower TAPRDRSCA1 | | 20 |  |
| Square Shower Arm TAPSQSA009 (9") TAPSQSA012 (12") TAPSQSA015 (15") | | 10 12 10 |  |
| Round Shower Arm (S.S.) TAPSHARM012 (12") TAPSHARM015 (15") | | 12 9 |  |
| Angle Round Shower Arm (S.S.) TAPSHARM006 (6") TAPSHARM007 (7") TAPSHARM009 (9") | | 10 10 9 |  |
| Rectangle Hand Shower TAPHSRCA01 | | 100 |  |
| Super Hand Shower TAPHSSCA01 | | 50 |  |
| Telephonic Hand Shower TAPHSTCA01 | | 100 |  |

*WH:White | TW:Texla White | MW:Milky White

| Item Code | Size in mm | Box qty. | | Item Code | Size in mm | Box qty. | |
|--|-------------------|-----------|---|--------------------------------------|------------|----------|---|
| Magnetic Shower Kit Orbit TAPMSOCA01 | | 18 |  | Concealed Mixer Diverter | | |  |
| | | | | TAPCMDAY01 (Assembly) | 3/4" | 10 | |
| | | | | TAPDWFAY01 (Flange & Handle) | 3/4" | 10 | |
| Sleek Faucet TAPFASLCA1 TAPFASLCA2 (Body) | | 50 100 |  | Bottle Trap New TAPBOTAY03 | | 15 |  |
| | | | | | | | |
| Classic Faucet TAPFACLCA1 TAPFACLCA2 (Body) | | 50 100 |  | Swivel Soap Dispenser | | |  |
| | | | | TAPSWIDN01 (Natural) | | 48 | |
| | | | | TAPSWIDR01 (Red) | | 48 | |
| | | | | TAPSWIDB01 (Blue) | | 48 | |
| Curve Faucet TAPFACUCA2 | | 50 |  | Dual Multiorient Soap Case | | |  |
| | | | | TAPDUSCN01 (Natural) | | 28 | |
| | | | | TAPDUSCR01 (Red) | | 28 | |
| | | | | TAPDUSCB01 (Blue) | | 28 | |
| Denver Faucet TAPFDENC01 | 15 | 48 |  | Soap Case Wall Mounted | | |  |
| | | | | TAPSCWMN01 (Natural) | | 87 | |
| | | | | TAPSCWMR01 (Red) | | 87 | |
| | | | | TAPSCWMB01 (Blue) | | 87 | |
| Premium Health Faucet TAPFPAQC01 | | 50 |  | Soap Case Clip on | | |  |
| | | | | TAPSCCLN01 (Natural) | | 135 | |
| | | | | TAPSCCLR01 (Red) | | 135 | |
| | | | | TAPSCCLB01 (Blue) | | 135 | |
| S.S. Double Lock Chrome Hose TAPCOTSCA1 (1.5 Mtr. Long) | | 50 |  | S.S. Towel Rod | | |  |
| | | | | TAPTROD018 (18" Long) | | 84 | |
| | | | | TAPTROD024 (24" Long) | | 66 | |
| Chrome Holder Stopper TAPHSRCA03 | | 400 |  | Towel Hanger | | |  |
| | | | | TAPTWLHAMW (MW) | | 30 | |
| Flush Valve TAPFLVEA32 | 32 mm (1 1/4") | FT 12 |  | | | | |
| | | | | | | | |

Concealed body with exposed shut off provision and Ø 125 mm circular plate.

*WH:White | TW:Texla White | MW:Milky White

| Item Code | Size in mm | Box qty. | | Item Code | Size in mm | Box qty. | |
|--|------------|----------|---|---|------------|----------|---|
| Towel Rack TAPTWLRAMW (MW) | | 20 |  | Tissue Roll Holder TAPTISRHMW (MW) | | 45 |  |
| Napkin Ring TAPNAPRIMW (MW) | | |  | Tissue Roll Holder with Tray TAPTIRHTMW (MW) | | |  |

*WH:White | TW:Texla White | MW:Milky White

Driti PVC Garden Pipe and Braided Hose

| Item Code | Size in mm | Item Code | Size in mm |
|-------------------|------------|-------------------|------------|
| Garden | | Braided | |
| 4104815 (15 m) | 12 | 4104820 (15 m) | 12 |
| 4104816 (30 m) | 12 | 4104822 (30 m) | 12 |
| 4104817 (15 m) | 20 | 4104823 (15 m) | 20 |
| 4104818 (30 m) | 20 | 4104824 (30 m) | 20 |
| 4104821 (15 m) | 25 | 4104825 (15 m) | 25 |
| 4104819 (30 m) | 25 | 4104826 (30 m) | 25 |



*Available in Orange, Red, Yellow & Green Colors

THE SYSTEM

We are proud to introduce one more innovative product in Indian market which is Supreme FlameGuard C-PVC Fire Sprinkler system. Supreme FlameGuard is manufactured from specially developed C-PVC compound. Supreme FlameGuard products provide a cost effective yet effective alternative to metal pipe systems with advantages of high corrosion resistance, improved hydraulics, comparatively very easy and quick installation. C-PVC fire sprinkler system is based on proven products that has been in continuous use for over 36 years. The system is approved by UL®.

Product Range

Pipes- Supreme FlameGuard C-PVC fire sprinkler pipes are available in ¾" to 3" dia, conforming to IS:16088 standards for SDR 13.5 C-PVC pipe.

Fittings- Supreme manufactures most running solvent weld fittings in India. All fittings are UL listed. All metal threaded fittings are imported from Spears® USA.

Fields of application

Supreme FlameGuard C-PVC fire sprinkler products are UL listed for light hazard occupancies as defined in NFPA 13, residential occupancies up to and including 4 - storeyed buildings as defined in NFPA 13R, residential occupancies for one and two family dwellings and manufactured homes as defined in NFPA 13D.

Few examples of light hazard occupancies are given below:-

- Residential buildings excluding parking
- Educational institutes, hotels and hospitals, etc.
- 1 or 2 family dwellings

FEATURES AND BENEFITS

Corrosion resistant C-PVC material does not encourage biological growth - Unlike metal systems, Supreme FlameGuard C-PVC products never rust or are not prone to scaling or pitting and do not encourage biological growth - a cause of Microbiologically Influenced Corrosion (MIC) which could destroy metal fire sprinkler systems from the inside out.

Superior flow characteristics for lower friction losses - The mirror smooth inner surface of of Supreme FlameGuard facilitate reduced friction loss compared to metal systems. It also helps quick discharge of water in times of need. The design flow characteristics remain constant throughout the life of the product as there is no interior corrosion in the system due to microbiological activity.

Pressure rating - 12 bar (175psi) @ 65°C and 21.7 bar (315 psi) @ 23°C

Simple and easy installation resulting in lower costs - Supreme FlameGuard C-PVC system installation significantly reduces the costs over conventional metal piping by virtually eliminating prefabrication. Systems can be fully installed on site using simple solvent cement joining methods.

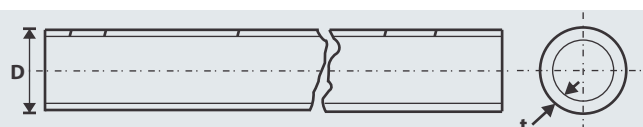
UL listed (UL 1821) for NFPA 13, 13R and 13D systems - Supreme FlameGuard C-PVC system is UL-1821 listed. UL certificate no. is 20150729-EX26525.

Light in weight and easy maintenance

Environment friendly



PIPES



Supreme FlameGuard pipe dimensions confirming to IS:16088 and as per ASTM F 442

| Nominal size | | Outside diameter (D) in mm | | Wall thickness (t) in mm SDR 13.5 | | Working Pressure |
|--------------|------|-------------------------------|-----------|--------------------------------------|-----------|--------------------|
| mm | inch | Avg. | Tolerance | Min | Tolerance | |
| 20 | ¾" | 26.7 | 0.10 | 1.98 | 0.51 | 12 bar @ 65°C |
| 25 | 1" | 33.4 | 0.13 | 2.46 | 0.51 | |
| 32 | 1¼" | 42.2 | 0.13 | 3.12 | 0.51 | |
| 40 | 1½" | 48.2 | 0.15 | 3.58 | 0.51 | |
| 50 | 2" | 60.3 | 0.15 | 4.47 | 0.53 | 21.7 bar @ 23°C |
| 65 | 2½" | 73.0 | 0.18 | 5.41 | 0.66 | |
| 80 | 3" | 88.9 | 0.20 | 6.58 | 0.79 | |

FITTINGS

| Item Code | Size in mm | Size in inch | SCH |
|--------------|------------|--------------|-----|
| MFGP4CPL002O | 20 | ¾" | 40 |
| MFGP4CPL003O | 25 | 1" | 40 |
| MFGP4CPL004O | 32 | 1¼" | 40 |
| MFGP8CPL005O | 40 | 1½" | 80 |
| MFGP8CPL006O | 50 | 2" | 80 |
| MFGP8CPL007O | 65 | 2½" | 80 |
| MFGP8CPL008O | 80 | 3" | 80 |
| MFGP4ELB002O | 20 | ¾" | 40 |
| MFGP4ELB003O | 25 | 1" | 40 |
| MFGP4ELB004O | 32 | 1¼" | 40 |



Coupler

Elbow 90°

| Item Code | Size in mm | Size in inch | SCH |
|--------------|------------|--------------|-----|
| MFGP8ELB005O | 40 | 1½" | 80 |
| MFGP8ELB006O | 50 | 2" | 80 |
| MFGP8ELB007O | 65 | 2½" | 80 |
| MFGP8ELB008O | 80 | 3" | 80 |






















Elbow 90°



Reducing Elbow

| | | | |
|--------------|-------|------|----|
| MFGP4REL3X2O | 25x20 | 1x¾" | 40 |
|--------------|-------|------|----|

| Item Code | Size in mm | Size in inch | SCH | | Item Code | Size in mm | Size in inch | SCH | |
|--------------|------------|--------------|-----|--|--------------|------------------|--------------|-----|--|
| MFGP4BDF002O | 20 | ¾ | 40 |  Elbow 45° | MFGP8REB8X6O | 80x50 | 3x2 | 80 |  Reducer Bushing |
| MFGP4BDF003O | 25 | 1 | 40 | | MFGP8REB8X7O | 80x65 | 3x2½ | 80 | |
| MFGP4BDF004O | 32 | 1¼ | 40 | | | | | | |
| MFGP8BDF005O | 40 | 1½ | 80 | | | | | | |
| MFGP8BDF006O | 50 | 2 | 80 | | | | | | |
| MFGP8BDF007O | 65 | 2½ | 80 |  Equal Tee | 4100272 | 20x15 | ¾x½ | |  Sprinkler Head Tee (Brass Thread) |
| MFGP8BDF008O | 80 | 3 | 80 | | 4100270 | 25x15 | 1x½ | | |
| MFGP4TEE002O | 20 | ¾ | 40 | | 4100269 | 32x15 | 1¼x½ | | |
| MFGP4TEE003O | 25 | 1 | 40 | | 4100267 | 40x15 | 1½x½ | | |
| MFGP4TEE004O | 32 | 1¼ | 40 | | | | | | |
| MFGP8TEE005O | 40 | 1½ | 80 |  Reducing Tee | 4100266 | 20x15 | ¾x½ | |  Sprinkler Head Tee (SR Plastic Thread) (Soc x SR FPT) |
| MFGP8TEE006O | 50 | 2 | 80 | | 4100271 | 25x15 | 1x½ | | |
| MFGP8TEE007O | 65 | 2½ | 80 | | 4100268 | 32x15 | 1¼x½ | | |
| MFGP8TEE008O | 80 | 3 | 80 | | 4100267 | 40x15 | 1½x½ | | |
| MFGP4RET3X2O | 25x20 | 1x¾ | 40 | | | | | | |
| 4100066 | 32x20 | 1¼x¾ | 40 |  Cross Tee | 4100134 | 20 | ¾ | |  Flange Adapter |
| MFGP4RET4X3O | 32x25 | 1¼x1 | 40 | | 4100073 | 25 | 1 | | |
| 4100035 | 40x20 | 1½x¾ | 80 | | 4100058 | 32 | 1¼ | | |
| MFGP8RET5X3O | 40x25 | 1½x1 | 80 | | 4100051 | 40 | 1½ | | |
| 4100029 | 40x32 | 1½x1¼ | 80 | | 4100113 | 50 | 2 | | |
| 4100125 | 50x20 | 2x¾ | 80 |  End Cap | 4100102 | 65 | 2½ | |  Grooved Coupling |
| MFGP8RET6X3O | 50x25 | 2x1 | 80 | | 4100560 | 80 | 3 | | |
| 4100116 | 50x32 | 2x1¼ | 80 | | | | | | |
| MFGP8RET6X5O | 50x40 | 2x1½ | 80 | | 4100039 | 32 | 1¼ | | |
| MFGP8RET7X3O | 65x25 | 2½x1 | 80 | | 4100027 | 40 | 1½ | | |
| 4100091 | 65x32 | 2½x1¼ | 80 |  Reducer | 4100112 | 50 | 2 | |  Female Adapter (Brass) |
| 4100090 | 65x40 | 2½x1½ | 80 | | 4100088 | 65 | 2½ | | |
| 4100098 | 65x50 | 2½x2 | 80 | | 4100128 | 80 | 3 | | |
| 4100152 | 80x25 | 3x1 | 80 | | | | | | |
| 4100151 | 80x32 | 3x1¼ | 80 | | 4100141 | 20 | ¾ | |  Female Sprinkler Head Adapter |
| 4100150 | 80x40 | 3x1½ | 80 |  Reducer Bushing | 4100068 | 25 | 1 | | |
| 4100156 | 80x50 | 3x2 | 80 | | 4100038 | 32 | 1¼ | | |
| 4100153 | 80x65 | 3x2½ | 80 | | 4100026 | 40 | 1½ | | |
| 4100140 | 20 | ¾ | 40 | | 4100754 | 50 | 2 | | |
| MFGP4CRT003O | 25 | 1 | 40 | | | | | | |
| MFGP4CRT004O | 32 | 1¼ | 40 |  Male Adapter (Brass) | 4100265 | 20x15 | ¾x½ | |  Torque Safe 90° Sprinkler Head Elbow |
| MFGP8CRT005O | 40 | 1½ | 80 | | 4100076 | 25x15 | 1x½ | | |
| MFGP8CRT006O | 50 | 2 | 80 | | | | | | |
| MFGP8CRT007O | 65 | 2½ | 80 | | 4100142 | 20 | ¾ | | |
| MFGP8CRT008O | 80 | 3 | 80 | | 4100762 | 25 | 1 | | |
| MFGP4RED3X2O | 25x20 | 1x¾ | 40 |  One Step Solvent Cement | 4100956 | 40 | 1½ | | |
| 4100044 | 32x20 | 1¼x¾ | 40 | | | | | | |
| 4100063 | 32x25 | 1¼x1 | 40 | | 4100145 | 20x15 | ¾x½ | |  One Step Solvent Cement |
| 4100034 | 40x20 | 1½x¾ | 40 | | 4100077 | 25x15 | 1x½ | | |
| 4100055 | 40x25 | 1½x1 | 40 | | 4100040 | 32x15 | 1¼x½ | | |
| 4100028 | 40x32 | 1½x1¼ | 40 |  One Step Solvent Cement | | | | | |
| 4100124 | 50x20 | 2x¾ | 80 | | 4100544 | Pint (473.17ml) | | | |
| 4100121 | 50x25 | 2x1 | 80 | | 4100231 | Quart (946.35ml) | | | |
| MFGP8RED6X4O | 50x32 | 2x1¼ | 80 | | | | | | |
| MFGP8RED6X5O | 50x40 | 2x1½ | 80 | | | | | | |
| MFGP8RED7X5O | 65x40 | 2½x1½ | 80 | | | | | | |
| MFGP8RED7X6O | 65x50 | 2½x2 | 80 | | | | | | |
| MFGP8RED8X6O | 80x50 | 3x2 | 80 | | | | | | |
| MFGP8RED8X7O | 80x65 | 3x2½ | 80 | | | | | | |
| MFGP4ECP002O | 20 | ¾ | 40 | | | | | | |
| MFGP4ECP003O | 25 | 1 | 40 | | | | | | |
| MFGP4ECP004O | 32 | 1¼ | 40 | | | | | | |
| MFGP8ECP005O | 40 | 1½ | 80 | | | | | | |
| MFGP8ECP006O | 50 | 2 | 80 | | | | | | |
| MFGP8ECP007O | 65 | 2½ | 80 | | | | | | |
| MFGP8ECP008O | 80 | 3 | 80 | | | | | | |
| MFGP4REB3X2O | 25x20 | 1x¾ | 40 | | | | | | |
| MFGP4REB4X2O | 32x20 | 1¼x¾ | 40 | | | | | | |
| MFGP4REB4X3O | 32x25 | 1¼x1 | 40 | | | | | | |
| MFGP8REB5X2O | 40x20 | 1½x¾ | 80 | | | | | | |
| MFGP8REB5X3O | 40x25 | 1½x1 | 80 | | | | | | |
| MFGP8REB5X4O | 40x32 | 1½x1¼ | 80 | | | | | | |
| MFGP8REB6X2O | 50x20 | 2x¾ | 80 | | | | | | |
| MFGP8REB6X3O | 50x25 | 2x1 | 80 | | | | | | |
| MFGP8REB6X4O | 50x32 | 2x1¼ | 80 | | | | | | |
| MFGP8REB6X5O | 50x40 | 2x1½ | 80 | | | | | | |
| MFGP8REB7X4O | 65x32 | 2½x1¼ | 80 | | | | | | |
| MFGP8REB7X5O | 65x40 | 2½x1½ | 80 | | | | | | |
| MFGP8REB7X6O | 65x50 | 2½x2 | 80 | | | | | | |

THE SYSTEM

Supreme is the pioneer in introducing efficient PVC S.W.R. drainage system in India. It has successfully replaced conventional CI and AC drainage systems. The Supreme S.W.R. drainage system is designed for quick and efficient removal of waste without leakage. It is highly resilient, tough and durable with high tensile and impact strength. Moreover it is free from scale formation, rusting, weathering and chemical action. It is virtually immune to attack from bacteria, fungi, micro-organisms and insects. Thus, the system is a long term solution for building drainage with estimated life over 50 years. In addition to the various benefits, it is more cost effective than any conventional drainage system.

Product Specifications and Range

Pipes are available in 40 to 200 mm sizes and fittings are available in 40 to 200 mm sizes. Pipes conforms to IS:13592-92 and fittings conforms to IS:14735-99.

Complete range of pipes and fittings are available in pasted as well as fix'O'ring type seal design.

FEATURES AND BENEFITS

High quality and wide range – The system consists of pipes and a wide range of fittings with various traps and accessories which makes the system complete in all respect and hence customer need not to depend on conventional systems.

Quick and efficient removal of waste without leakage - Mirror smooth and restriction free inner surface of pipes and

fittings ensures superior flow characteristics making the system free from problems of clogging and drain choke-up. System is completely leak-proof and designed to maintain high standards of hygiene.

Strong and longer lasting - This system is highly resilient, tough and durable with high tensile strength and high impact strength. Moreover it is free from problems caused by scale formation, rusting, weathering and chemical action and hence it lasts for a lifetime.

Excellent chemical and corrosion resistance - Being non-metallic, this system is completely free from corrosion and offers a very good resistance to wide range of chemicals.

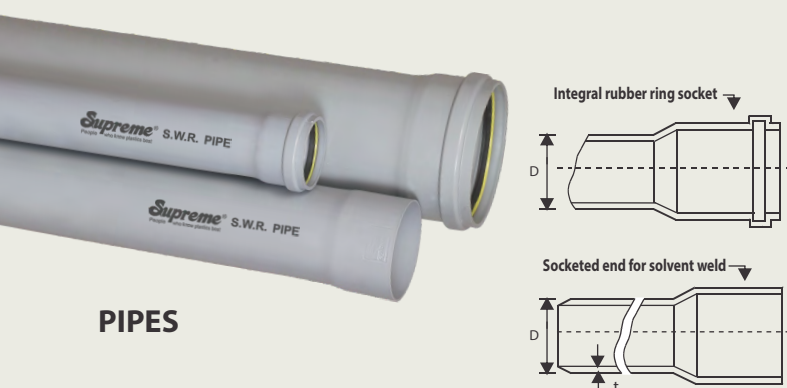
UV resistance - It eliminates the adverse effects of sunlight and weather and can be safely used for outdoor installations.

Quick and convenient installation - Being extremely light in weight and provided with special rubber jointing technique, installation of this system becomes very easy.

Adequate and easy access for cleaning and clearing obstructions.

Low maintenance - Once installed Supreme S.W.R. drainage system needs minimal maintenance.

Cost effective - Supreme S.W.R. drainage system is more cost effective than any other conventional drainage system.



PIPES

Pipes conform to IS:13592-2013

| Nominal outside diameter (D) in mm | Tolerance on outside diameter (mm) | Wall thickness (t) in mm | | | |
|------------------------------------|------------------------------------|--------------------------|-----|--------|-----|
| | | Type-A | | Type-B | |
| | | Min | Max | Min | Max |
| 40 | + 0.3 | 1.8 | 2.2 | 3.2 | 3.8 |
| 50 | + 0.3 | 1.8 | 2.2 | 3.2 | 3.8 |
| 63 | + 0.3 | 1.8 | 2.2 | 3.2 | 3.8 |
| 75 | + 0.3 | 1.8 | 2.2 | 3.2 | 3.8 |
| 90 | + 0.3 | 1.9 | 2.3 | 3.2 | 3.8 |
| 110 | + 0.4 | 2.2 | 2.7 | 3.2 | 3.8 |
| 160 | + 0.5 | 3.2 | 3.8 | 4.0 | 4.6 |
| 200 | + 0.6 | - | - | 4.9 | 5.6 |

FITTINGS

| Item Code | Size in mm | Socket Type | Box qty. |
|----------------|------------|-------------|----------|
| MP1SRPCP050L | 50 | RxR | 120 |
| MP1SRPCP075L | 75 | RxR | 40 |
| MP1SRPCP090L | 90 | RxR | 60 |
| MP1SRPCP110L | 110 | RxR | 36 |
| MP1SRPCP160L | 160 | RxR | 18 |
| (Fix 'O' Ring) | | | |
| NP1SRHCP110L | 110 | CRxCR | 36 |
| NP1SCRCP200L | 200 | CRxCR | 4 |

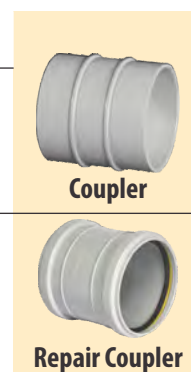


Coupler

| Item Code | Size in mm | Socket Type | Box qty. |
|--------------|------------|-------------|----------|
| MP1SPTCP040L | 40 | SxS | 200 |
| MP1SPTCP075L | 75 | SxS | 60 |
| MP1SPTCP090L | 90 | SxS | 36 |
| MP1SPTCP110L | 110 | SxS | 60 |
| MP1SPTCP161L | 160 | SxS | 16 |




















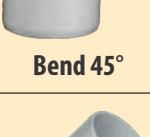



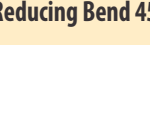
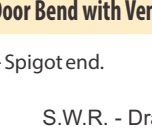


| | | | |
|--------------|-----|-----|----|
| MP1SRPRC110L | 110 | RxR | 36 |
| MP1SRPRC160L | 160 | RxR | 18 |

(Fix 'O' Ring)

















Coupler







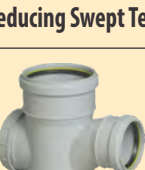



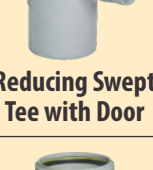











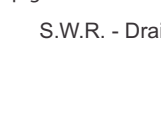

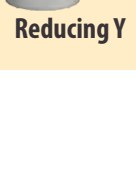

Repair Coupler

| Item Code | Size in mm | Socket Type | Box qty. | | Item Code | Size in mm | Socket Type | Box qty. | |
|----------------|------------|-------------|----------|---|----------------|------------|-------------|----------|--|
| MP1SRRCP076L | 75 | RxS | 120 |  Connecting Coupler | FPS0DBL110LG | 110 | RxSpg | 16 |  Door Bend (RS/LS) (F) |
| MP1SRRCP112L | 110 | RxS | 45 | | FPS0DBR110LG | 110 | RxSpg | 16 | |
| NP1SCRCP111L | 110 | CRxCR | 45 | | (Fix 'O' Ring) | | | | |
| MP1SRPBE050L | 50 | RxSpg | 80 |  Bend 87.5° | NP1SPTDE050L | 50 | SxS | 75 |  Door Elbow (TS) |
| MP1SRPBE075L | 75 | RxSpg | 26 | | NP1SPTDE063L | 63 | SxS | 80 | |
| MP1SRPBE090L | 90 | RxSpg | 36 | | NP1SPTDE160L | 160 | SxS | 7 | |
| MP1SRPBE110L | 110 | RxSpg | 21 |  Bend 87.5° | NP1SCRSB111L | 110 | CRxCR | 10 |  Long Swept Bend |
| MP1SRPBE160L | 160 | RxSpg | 7 | | | | | | |
| (Fix 'O' Ring) | | | | | | | | | |
| NP1SCRBE075L | 75 | CRxSpg | 65 |  Bend 90° | MP1SPTSB110L | 110 | SxS | 20 |  Swept Bend |
| NP1SCRBE110L | 110 | CRxSpg | 24 | | | | | | |
| | | | | | | | | | |
| MP1SPTBE040L | 40 | SxSpg | 120 |  Bend 90° | NP3SCRVB110L | 110 | CRxCR | 20 |  Variable Bend (0-30°) |
| MP1SPTBE075L | 75 | SxSpg | 65 | | | | | | |
| MP1SPTBE090L | 90 | SxSpg | 45 | | | | | | |
| MP1SPTBE110L | 110 | SxSpg | 25 |  Door Bend 87.5°(TS) | MP1SRPBF050L | 50 | RxSpg | 95 |  Bend 45° |
| MP1SPTBR160L | 160 (Rib) | SxSpg | 7 | | MP1SRPBF075L | 75 | RxSpg | 80 | |
| | | | | | MP1SRPBF090L | 90 | RxSpg | 50 | |
| MP1SPTDE075L | 75 | SxS | 80 |  Door Bend 87.5°(TS) | MP1SRPBF110L | 110 | RxSpg | 30 |  Bend 45° |
| MP1SPTDE110L | 110 | SxS | 28 | | MP1SRPBF160L | 160 | RxSpg | 10 | |
| MP1SPTBN140L | 140 | SxS | 7 | | (Fix 'O' Ring) | | | | |
| NP1SRPDB050L | 50 | RxSpg | 60 |  Door Bend 87.5°(TS) | NP1SCRBF075L | 75 | CRxSpg | 80 |  Reducing Bend 45° |
| NP1SRPDB075L | 75 | RxSpg | 24 | | NP1SCRBF110L | 110 | CRxSpg | 24 | |
| NP1SRPDB090L | 90 | RxSpg | 30 | | | | | | |
| NP1SRPDB110L | 110 | RxSpg | 18 |  Door Bend 87.5°(TS) | MP1SPTBF040L | 40 | SxS | 140 |  Reducing Bend 45° |
| NP1SRPDB160L | 160 | RxSpg | 7 | | MP1SPTBF050L | 50 | SxS | 125 | |
| (Fix 'O' Ring) | | | | | MP1SPTBF063L | 63 | SxS | 65 | |
| NP1SRHDB076L | 75 | CRxSpg | 50 |  Door Bend 87.5°(TS) | MP1SPTBF075L | 75 | SxSpg | 100 |  Reducing Bend 45° |
| NP1SCRDB112L | 110 | CRxSpg | 18 | | MP1SPTBF090L | 90 | SxSpg | 55 | |
| | | | | | MP1SPTBF110L | 110 | SxSpg | 36 | |
| NP1SPTDB075L | 75 | SxSpg | 60 |  Door Bend 87.5°(TS) | MP1SPTBF160L | 160 (Rib) | SxS | 10 |  Reducing Bend 45° |
| NP1SPTDB090L | 90 | SxSpg | 36 | | MP1SPTBF161L | 160 | SxS | 12 | |
| NP1SPTDB110L | 110 | SxSpg | 20 | | | | | | |
| NP1SPTDB160L | 160 | SxSpg | 8 |  Door Bend 87.5°(TS) | MP1SPTRF110L | 110x75 | SxSpg | 25 |  Reducing Bend 45° |
| | | | | | MP1SPTRF111L | 110x90 | SxSpg | 20 | |
| | | | | | | | | | |
| NP1SPTDE075L | 75 | SxS | 60 |  Door Bend 90° | | | | |  Reducing Bend 45° |
| NP1SPTDE110L | 110 | SxS | 24 | | | | | | |
| NP1SPTDE140L | 140 | SxS | 7 | | | | | | |
| NP1SRPDB111L | 110x50 | RxSpg | 18 |  Door Bend with Vent | | | | | Reducing Bend 45° |
| (Fix 'O' Ring) | | | | | | | | | |
| | | | | | | | | | |













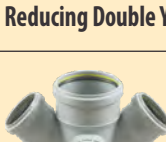











R-Rubber ring, CR - Click ring, S - Solvent type (pasted), Spg - Spigot end.

| Item Code | Size in mm | Socket Type | Box qty. | | Item Code | Size in mm | Socket Type | Box qty. | |
|--------------------------------|------------|-------------|----------|---|-------------------------------------|------------|-------------|---------------------|---|
| MP1SRPST050L | 50 | RxRxSpg | 50 |  | MP1SRPTS075L (Fix 'O' Ring) | 75 | RxRxSpg | 30 |  |
| MP1SRPST075L | 75 | RxRxSpg | 40 | | NP1UCRTS111L | 110 | CRxCRxCR | 12 | |
| MP1SRPST090L | 90 | RxRxSpg | 24 | | NP1SCRTS110L | 110 | CRxCRxSpg | 12 | |
| MP1SRPST110L | 110 | RxRxSpg | 14 | | | | | |  |
| MP1SRPST160L (Fix 'O' Ring) | 160 | RxRxSpg | 5 | | | | | | |
| NP1SRRST110L | 110 | CRxCRxSpg | 16 | | | | | |  |
| MP1SPTST040L | 40 | SxSxSpg | 120 | | MP1SPTTS110L | 110 | SxSxSpg | 13 | |
| MP1SPTST075L | 75 | SxSxSpg | 54 | | | | | |  |
| MP1SPTST090L | 90 | SxSxSpg | 36 | | MP1SPTTS160L | 160 | SxSxSpg | 5 | |
| MP1SPTST110L | 110 | SxSxSpg | 18 | | | | | | Swept Tee |
| MP1SPTTE075L | 75 | SxSxS | 50 | | | | | | |
| MP1SPTTE110L | 110 | SxSxS | 20 | | | | | | |
| MP1SPTST140L | 140 | SxSxS | 7 | | | | | | |
| | | | | Single Tee | | | | | |
| NP1SRPDT050L | 50 | RxRxSpg | 40 |  | NP1SRPTD075L (Fix 'O' Ring) | 75 | RxRxSpg | 30 |  |
| NP1SRPDT075L | 75 | RxRxSpg | 33 | | NP1SCRDT111L | 110 | CRxCRxSpg | 12 | |
| NP1SRPDT090L | 90 | RxRxSpg | 20 | | | | | | |
| NP1SRPDT110L | 110 | RxRxSpg | 12 | | NP1SPTTD075L | 75 | SxSxSpg | 16 |  |
| NP1SRPDT160L (Fix 'O' Ring) | 160 | RxRxSpg | 5 | | NP1SPTTD110L | 110 | SxSxSpg | 12 | |
| NP1SCRDT112L | 110 | CRxCRxSpg | 14 | | | | | | Swept Door Tee |
| NP1SRRTD050L | 50 | SxSxS | 110 | | | | | | |
| NP1SRRTD063L | 63 | SxSxS | 55 | | MP1SRPRT090L | 90x75 | RxRxSpg | 36 |  |
| NP1SPTDT075L | 75 | SxSxSpg | 40 | | MP1SRPRT110L | 110x75 | RxRxSpg | 20 | |
| NP1SPTDT090L | 90 | SxSxSpg | 30 | | MP1SRPRT111L | 110x90 | RxRxSpg | 18 |  |
| NP1SPTDT110L | 110 | SxSxSpg | 18 | | MP1SRPRT160L (Fix 'O' Ring) | 160x110 | RxRxSpg | 6 | |
| NP1SPTDT160L | 160 | SxSxSpg | 5 | | | | | |  |
| NP1SPTTD076L | 75 | SxSxS | 40 | | MP1SPTRT110L | 110x75 | SxSxSpg | 24 | |
| NP1SPTTD111L | 110 | SxSxS | 20 | MP1SPTRT111L | 110x90 | SxSxSpg | 18 | Reducing Tee | |
| NP1SPTDT140L | 140 | SxSxS | 7 | | | | | | |
| | | | | Single Tee with Door | | | | | |
| NP1SRDTL110L | 110(LH) | RxRxSpg | 12 |  | NP1SRRRD090L | 90x75 | RxRxSpg | 24 |  |
| NP1SRDTR110L (Fix 'O' Ring) | 110(RH) | RxRxSpg | 12 | | NP1SRPRD110L | 110x75 | RxRxSpg | 15 | |
| | | | | | NP1SRPRD160L (Fix 'O' Ring) | 160x110 | RxRxSpg | 5 | |
| NP1SPDTL110L | 110(LH) | SxSxSpg | 12 | | NP1SPRDT110L | 110x90 | SxSxSpg | 15 |  |
| NP1SPDTR110L | 110(RH) | SxSxSpg | 12 | | NP1SPTRD161L | 160x75 | SxSxS | 6 | |
| | | | | | NP1SPTRD160L | 160x110 | SxSxS | 5 | |
| | | | | | Single Tee with Door (RH/LH) | | | | Reducing Tee with Door |





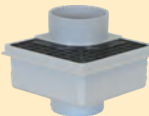




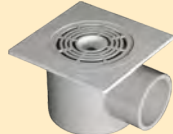










R-Rubber ring, CR - Click ring, S - Solvent type (pasted), Spg - Spigot end.

| Item Code | Size in mm | Socket Type | Box qty. | | Item Code | Size in mm | Socket Type | Box qty. | |
|-----------------------------|--------------|--------------|----------|--|-----------------------------|------------|--------------|----------|--|
| NP1SPDTR160L | 160x110 (RH) | SxSxSpg | 5 |  Reducing Tee with Door (RH/LH) | NP1SRRRX110L | 110x75 | RxRxRxSpg | 12 |  Reducing Cross Tee with Door |
| NP1SPDTL160L | 160x110 (LH) | SxSxSpg | 5 | | NP1SCRDX160L | 160x110 | CRxCRxCRxSpg | 5 | |
| MP1SRPTS111L | 110x75 | RxRxSpg | 18 |  Reducing Swept Tee | MP1SRPYP050L | 50 | RxRxSpg | 45 |  |
| MP1SRPTS161L (Fix 'O' Ring) | 160x110 | RxRxSpg | 6 | | MP1SRPYP075L | 75 | RxRxSpg | 32 | |
| MP1SPTRT160L | 160x110 | SxSxSpg | 8 |  Reducing Swept Tee | MP1SRPYP090L | 90 | RxRxSpg | 20 |  |
| NP1SRPTD111L | 110x75 | RxRxSpg | 12 | | MP1SRPYP110L | 110 | RxRxSpg | 11 | |
| NP1SRPTD161L (Fix 'O' Ring) | 160x110 | RxRxSpg | 6 |  Reducing Swept Tee with Door | MP1SRPYP160L (Fix 'O' Ring) | 160 | RxRxSpg | 4 | |
| NP1SPSDT111L | 110x75 | SxSxSpg | 18 | | NP1SRHYP075L | 75 | CRxCRxSpg | 32 |  |
| MP1SRRCT090L | 90 | RxRxRxSpg | 18 |  Cross Tee | MP1SCRYP111L | 110 | CRxCRxSpg | 12 | |
| MP1SRPCT075L | 75 | RxRxRxSpg | 28 | | MP1SPTYP040L | 40 | SxSxS | 55 |  |
| MP1SRPCT110L | 110 | RxRxRxSpg | 11 |  Cross Tee | MP1SPTYP050L | 50 | SxSxS | 50 | |
| MP1SRPCT160L (Fix 'O' Ring) | 160 | RxRxRxSpg | 3 | | MP1SPTYP063L | 63 | SxSxS | 60 |  |
| MP1SPTCT075L | 75 | SxSxSxSpg | 36 |  Cross Tee with Door | MP1SPTYP075L | 75 | SxSxSpg | 40 | |
| MP1SPTCT110L | 110 | SxSxSxSpg | 12 | | MP1SPTYP090L | 90 | SxSxSpg | 24 |  |
| NP1SRPDX075L | 75 | RxRxRxSpg | 20 |  Cross Tee with Door | MP1SPTYP110L | 110 | SxSxSpg | 16 | |
| NP1SRPDX110L (Fix 'O' Ring) | 110 | RxRxRxSpg | 8 | | MP1SPTYP160L | 160 | SxSxS | 4 |  Single Y |
| NP1SPTDX075L | 75 | SxSxSxSpg | 24 |  Reducing Cross Tee | MP1SRPYL075L | 75(LH) | RxRxSpg | 25 | |
| NP1SPTDX110L | 110 | SxSxSxSpg | 9 | | NP1SRPY075L | 75(RH) | RxRxSpg | 25 |  Single Y with Door (LH/RH) |
| NP1SCRCT161L | 160x110 | CRxCRxCRxSpg | 6 |  Reducing Cross Tee | NP1SRPYL110L | 110(LH) | RxRxSpg | 8 | |
| | | | | | NP1SRPYR110L | 110(RH) | RxRxSpg | 8 |  Single Y with Door (LH/RH) |
| | | | |  Reducing Cross Tee | NP1SPTYL075L | 75(LH) | SxSxSpg | 30 | |
| | | | | | NP1SPTYR075L | 75(RH) | SxSxSpg | 30 |  Reducing Y |
| | | | |  Reducing Cross Tee | NP1SPTYL110L | 110(LH) | SxSxSpg | 10 | |
| | | | | | NP1SPTYR110L | 110(RH) | SxSxSpg | 10 |  Reducing Y |
| | | | | Reducing Cross Tee | MP1SRPRY110L | 110x75 | RxRxSpg | 16 | |
| | | | | | MP1SRPRY111L | 110x90 | RxRxSpg | 18 |  Reducing Y |
| | | | | Reducing Cross Tee | MP1SRPRY161L | 160x75 | RxRxSpg | 8 | |
| | | | | | MP1SRPRY160L (Fix 'O' Ring) | 160x110 | RxRxSpg | 5 |  Reducing Y |
| | | | | Reducing Cross Tee | MP1SPTRY110L | 110x75 | SxSxSpg | 20 | |
| | | | | | MP1SPTRY160L | 160x110 | SxSxSpg | 6 | Reducing Y |
| | | | | Reducing Cross Tee | | | | | |
| | | | | | | | | | |







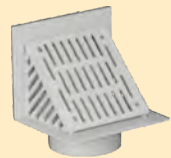



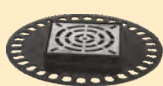



















































































































































R-Rubber ring, CR - Click ring, S - Solvent type (pasted), Spg - Spigot end.

| Item Code | Size in mm | Socket Type | Box qty. | | Item Code | Size in mm | Socket Type | Box qty. | | |
|--------------------------------|------------|-------------|----------|---|--------------------------------|----------------|-------------|----------|--|--|
| NP1SPTRY160L | 160x110 | SxSxSpg | 5 |  Reducing Y with Door | MP1SPTER075L | 75x50 | SpgxS | 100 |  Eccentric Reducing Bush | |
| | | | | | MP1SPTER110L | 110x50 | SpgxS | 40 | | |
| | | | | | MP1SPTER111L | 110x75 | SpgxS | 40 | | |
| MP1SRPYY075L | 75 | RxRxRxSpg | 20 |  Double Y | MP1SPTSP040L | 40 | Spg | 300 |  Socket Plug | |
| MP1SRPYY090L | 90 | RxRxRxSpg | 12 | | MP1SPTSP050L | 50 | Spg | 300 | | |
| MP1SRPYY110L (Fix 'O' Ring) | 110 | RxRxRxSpg | 7 | | MP1SPTSP075L | 75 | Spg | 75 | | |
| | | | | MP1SPTSP110L | 110 | Spg | 100 | | | |
| MP1SPTY075L | 75 | SxSxSxSpg | 24 |  Boss Pipe | | | | |  Boss Clip/Strap with Open Outlets | |
| MP1SPTY090L | 90 | SxSxSxSpg | 16 | | MP1SPTBP110L | 110x63 | SxS | 18 | | |
| MP1SPTY110L | 110 | SxSxSxSpg | 8 | | | | | |  Branch Saddle | |
| NP1SRPYD075L | 75 | RxRxRxSpg | 18 |  Double Y with Door | | | | | | |
| NP1SRPYD090L | 90 | RxRxRxSpg | 10 | | | | | | | |
| NP1SRPYD110L (Fix 'O' Ring) | 110 | RxRxRxSpg | 6 | | | | | | | |
| NP1SPTYD075L | 75 | SxSxSxSpg | 15 |  Reducing Double Y | | | | |  Cleaning Pipe | |
| NP1SPTYD090L | 90 | SxSxSxSpg | 10 | | | | | | | |
| NP1SPTYD110L | 110 | SxSxSxSpg | 6 | | | | | | | |
| MP1SRPYY111L | 110x75 | RxRxRxSpg | 12 |  Reverse Y | MP1SPTBS075L | 75x40 | S | 200 |  Cleanout | |
| MP1SRPYY161L (Fix 'O' Ring) | 160x110 | RxRxRxSpg | 4 | | MP1SPTBS076L | 75x50 | S | 175 | | |
| | | | | | MP1SPTBS110L | 110x40 | S | 84 | | |
| NP1SRPDY111L | 110x75 | RxRxRxSpg | 10 |  Eccentric Reducer | MP1SPTBS111L | 110x50 | S | 84 | | |
| NP1SRPDY161L (Fix 'O' Ring) | 160x110 | RxRxRxSpg | 3 | | MP1SPTBS113L | 110x63 | S | 36 | | |
| | | | | | MP1SPTBS112L | 110x75 | S | 36 | | |
| MP1SRRRY075L | 75 | RxSpgxSpg | 32 |  Floor Drain | NP1SRPCL075L | 75 | RxSpg | 22 |  Boss Pipe | |
| | | | | | NP1SRPCL110L (Fix 'O' Ring) | 110 | RxSpg | 18 | | |
| | | | | | NP1SRRCL090L | 90 | RxSpg | 30 | | |
| MP1SRPER090L | 90x75 | SpgxR | 40 |  Socket Plug | NP1SPTCL075L | 75 | SxSpg | 18 |  Boss Pipe | |
| MP1SRPRD110L | 110x75 | SpgxR | 75 | | NP1SPTCL110L | 110 | SxSpg | 24 | | |
| MP1SRPRD111L | 110x90 | SpgxR | 45 | | NP1SPTCL160L | 160 | SxS | 7 | | |
| MP1SRPRD160L (Fix 'O' Ring) | 160x110 | SpgxR | 24 |  Boss Pipe | NP1SPTCO040L | 40 | Spg | 1000 |  Cleanout | |
| | | | | | NP1SPTCO050L | 50 | Spg | 400 | | |
| | | | | | NP1SPTCO063L | 63 | Spg | 125 | | |
| MP1SPTER112L | 110x75 | SpgxS | 30 |  Boss Pipe | NP1SPTCO075L | 75 | Spg | 70 | | |
| MP1SPTER160L | 160x110 | SpgxS | 12 | | NP1SPTCO090L | 90 | Spg | 55 | | |
| | | | | | NP1SPTCO110L | 110 | Spg | 60 | | |
| | | | |  Boss Pipe | NP1SPTCO160L | 160 | Spg | 17 |  Cleanout | |
| | | | | | NP1SPTCO200L | 200 | Spg | 6 | | |
| | | | | | | | | | | |
| | | | |  Boss Pipe | NP1G4DAS006E | 2" (SCH 40) | SxSpg | 65 |  Cleanout | |
| | | | | | | | | | | |
| | | | | | | | | | | |






R-Rubber ring, CR - Click ring, S - Solvent type (pasted), Spg - Spigot end.

| Item Code | Size in mm | Socket Type | Box qty. | | Item Code | Size in mm | Socket Type | Box qty. | |
|------------------------------------|--|-------------|----------|---|--|---|-----------------|----------|---|
| NP1SPTFD050D | 50(PVC) | Spg | 24 |  Floor Drain (B) | NP1SPTMT004L | 110x75/ (without top tile) 63x50 | SxSpg/ SxSpg | 27 |  |
| NP3SPTFD075D | 75(PP) | Spg | 14 | | NP1SPTMTS04L | 110x75/ (with top tile) 63x50 100mm (4") height | SxSpg/ SxSpg | 27 | |
| NP1SPTEX110E | 110 | Spg | 30 |  Extended Top Tile with Strainer | NP1SPTMT046L | 110x63x50 (without top tile) | SxSpgxS | 18 |  |
| | | | | | NP1SPTMTS46L | 110x63x50 (with top tile) 100mm (4.5") height | SxSpgxS | 18 | |
| NP1SPTBD075L | 75 | SxSpg | 14 |  Balcony Drain | NP1SPTMT045L | 110x75x50 (without top tile) | SxSpgxS | 24 |  |
| | | | | | NP1SPTMTS45L | 110x75x50 (with top tile) 112mm (4.5") height | SxSpgxS | 24 | |
| NP6SRSDS050K | 50 | Spg | 6 |  Shower Drain Channel | NP1SPTMTNS5L | 110x63x50 (without top tile) | SxSpgxS | 18 |  |
| NP6SRSDP050K | 50 (500 mm long) | Spg | 6 | | NP1SPTMTSS5L | 110x63x50 (with top tile) | SxSpgxS | 16 | |
| Provided with S.S. grating covers. | | | | | NP1SPTMTN05L | 110x75x50 (without top tile) | SxSxSpg | 27 |  |
| | | | | | NP1SPTMTSN5L | 110x75x50 (with top tile) | SxSxSpg | 24 | |
| NP1SPTFT004L | 110x75/63 (without top tile) | SxSpg/S | 36 |  Plain Floor Trap | NP1SPTMT005L | 110x90/ (without top tile) 75x50 | SxSpg/ SxSpg | 18 |  |
| NP1SPTFTS04L | 110x75/63 (with top tile) 100mm (4") height | SxSpg/S | 36 | | NP1SPTMTS05L | 110x90/ (with top tile) 75x50 125mm (5") height | SxSpg/ SxSpg | 18 | |
| NP1SPTFTN04L | 110x75 (without top tile) 100 mm (4") ht. - 50 mm WS | SxSpg | 27 |  Plain Floor Trap | NP1SPTMT007L | 110x75x (without jali) 50/40 175mm (7") height | SxSpgx Spg/S | 12 |  |
| NP1SPTFT005L | 110x75 (without top tile) | SxSpg | 24 | | 1) This product is supplied with or without top tile set. 2) Top inlet of this item is 110mm (S). *ID of outlet is 63mm (S) and OD is 75mm (Spg). ** Three side inlets are 50mm (S) and OD of outlet is 75mm (S). ***Three side inlets are 50mm (S) ID of outlet is 63mm (S) and OD of outlet is 75mm (Spg). All three side inlets are open and plugs are provided to close such inlets, if desired. | | | | |
| NP1SPTFTS05L | 110x75 (with top tile) 125mm (5") height | SxSpg | 18 | | NP1SPTSMF06L | 110x75x (with top tile) 50/40 | SxSpgx Spg/S | 18 |  |
| | | | | | NP1SPTMFS06L | 110x75x (without top tile) 50/40 | SxSpgx Spg/S | 18 | |
| NP1SPTNT065L | 63 | Spg | 12 |  Nahani Trap 85mm (3.5") Premium | NP1SPTSMF61L | 110x75x (with top tile) 50 | SxSpgx S | 8 |  |
| NP1SPTNT077L | 75 | Spg | 12 | | NP1SPTMFS61L | 110x75x (without top tile) 50 150mm (6") height | SxSpgx S | 8 | |
| NP1SPTNT092L | 90 | Spg | 12 | | This product is provided with removable partition and extension provision of 110mm size at the top with or without height riser. | | | | |
| NP1SPTNT112L | 110 | S | 14 | | | | | | Sunken Multi Floor Trap |
| | | | | | | | | | |
| NP1SPTNTS63L | 63 | Spg | 40 |  Nahani Trap (One Piece) 85mm (3.5") | MP1SPTHR110L | 110x50 /40 | SpgxSpg/S | 22 |  |
| NP1SPTNTS75L | 75 | Spg | 16 | | FPS0HTR110LG | 110x50 /40 (F) | SxSpg/S | 20 | |
| NP1SPTNTS90L | 90 | S | 16 | | MP1SPTHR111L | 110x75x50 150mm (6") height | SpgxSxS | 10 |  |
| NP1SPTNTS10L | 110 | S | 10 | | | | | | |
| NP1SPLNTS76L | 75(LW) (with jali) | Spg | 16 | | | | | | |
| MP1SPTNTS64L | 63 | Spg | 40 | | | | | | |
| NP1SPTNTS76L | 75 | Spg | 16 | | | | | | |
| NP1SPTNTS91L | 90 | S | 16 | | | | | | |
| NP1SPTNTS11L | 110 | S | 10 | | | | | | |
| NP1SPLNTS75L | 75(LW) (without jali) | Spg | 16 | | | | | | |
| NP1SNTDS050L | 110x50 | Spg | 20 |  Nahani Trap - Deep Seal | | | | | |
| NP1SNTDS110L | 110x110 | Spg | 12 | | | | | | |

R-Rubber ring, CR - Click ring, S - Solvent type (pasted), Spg - Spigot end, FT - Female thread.

| Item Code | Size in mm | Socket Type | Box qty. | | Item Code | Size in mm | Socket Type | Box qty. | | |
|---|--------------------------|-------------|----------|---|--|--|---------------|--|---|--|
| FPS0HTR111LG | 110x50 /40 (4.5") height | SxSpg/S | |  Height Riser | NP1SPTPT075L | 75x75 | SxSpg | 30 |  'P' Trap | |
| FPS0HTR112LG | 110x50 /40 (6") height | SxSpg/S | | | NP1SPTPS110L | 110x110 | SxSpg (Short) | 11 | |  'P' Trap (Compact) |
| Used to raise the height of the floor traps / P-traps | | | | | NP1SPTPS125L | 125x110 | SxSpg (Short) | 10 | | |
| | | | | NP1SPTPL110L | 110x110 | SxSpg (Long) | 9 |  'Q' Trap | | |
| | | | | NP1SPTPL125L | 125x110 | SxSpg (Long) | 8 | |  'S' Trap | |
| | | | | NP1SPTPC110L | 110x110 | SxSpg | 9 | | |  Gully Trap |
| | | | | NP1SPTUT110L | 110x110 | SxSpg | 12 |  Roof Corner Outlet | | |
| NP3SRREP110B | 110 | Spg | 16 |  Extension Piece (with S.S. grating cover) | NP1SPTQT110L | 110x110 | SxSpg | | 10 | |
| | | | | | NP1SPTQT125L | 125x110 | SxSpg | | 10 |  WC Manifold |
| | | | | | NP1SPTST110L | 110x110 | SxSpg (Short) | 10 |  Flexi WC Pan Connector Straight | |
| NP3SPTAT110B | 110 | Spg | 16 |  Anchor Top Tile with SS Grating | NP1SPTST125L | 125x110 | SxSpg (Short) | 8 | | |
| | | | | | NP1SPTSL110L | 110x110 | SxSpg (Long) | 5 | |  Kitchen Line Trap |
| | | | | | NP1SPTGT110L | 160x110 | SxSpg (Short) | 6 |  Wash Basin 'P' Trap | |
| NP1SPTTT110L | 110x110 2 pc. | S | 100 |  Top Tile with Central Strainer | NP1SPTGL160L | 160x110 | SxSpg (Long) | 5 | | |
| NP1SPTTT150E | 150x150 2 pc. | Spg | 65 | |  Top Tile with Flush Strainer | Note: Designed to simplify the connections of toilets in series and quick installation. Most useful for public toilets and commercial constructions where many toilets in series are required to be connected to the common drain. | | | | |
| NP1SPTTT200E | 200x200 2 pc. | Spg | 50 | | | | | | | |
| NP1SPTTT151E | 150x150 3 pc. | Spg | 65 | | | | | | | |
| NP1SPTTT201E | 200x200 3 pc. | Spg | 50 |  Top Tile with Central Strainer & Flat Cover | NP1SPTRC110L | 110 | S | 20 |  Kitchen Line Trap | |
| Note: 200mm size is available in both smooth and mat finish. Mat finish product is heavier. | | | | | | | | | |  Wash Basin 'P' Trap |
| | | | | | | | | | | |
| NP1SPTKT063L | 110x63 | SxS | 12 |  Kitchen Line Trap | NP1SRPBM110L (Fix 'O' Ring) | 110x75 | SxR | 12 |  Bell Mouth Trap | |
| NP1SPTKT075L | 110x75 | SxS | 10 | | | | | | |  WC Manifold |
| | | | | | | | | | | |
| | | | | NP1SPTBM110L | 110x75 | SxS | 12 |  Waste Coupling Coupler | | |
| | | | | NP1SPTBM111L | 110x75 | SxSpg | 9 | |  Kitchen Line Trap | |
| | | | | NP1SPTBM112L | 110x90 | SxSpg | 9 | | |  Wash Basin 'P' Trap |
| NP1SPTPT032E | 32 | FTxSPG | 6 |  Wash Basin 'P' Trap | FPS0WCM110LG | 110x90 | SxS | 1 | | |
| NP1SPTPT040E | 40 | FTxSPG | 4 | | Note: Designed to simplify the connections of toilets in series and quick installation. Most useful for public toilets and commercial constructions where many toilets in series are required to be connected to the common drain. | | | | | |
| | | | | | | | | |  Waste Coupling Coupler | |
| | | | | | | | |  Kitchen Line Trap | | |
| | | | | | | | | | |  Wash Basin 'P' Trap |
| NP1SPTWA040L | 40 | FTxS | 300 |  Waste Coupling Coupler | | | | |  Kitchen Line Trap | |
| NP1SPTWA050L | 50 | FTxS | 180 | | | | | | | |
| | | | | | | | | | |  Waste Coupling Coupler |
| | | | | NP1SPTWA040L | 40 | FTxS | 300 |  Kitchen Line Trap | | |
| | | | | NP1SPTWA050L | 50 | FTxS | 180 | |  Wash Basin 'P' Trap | |
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R-Rubber ring, CR - Click ring, S - Solvent type (pasted), Spg - Spigot end.

| Item Code | Size in mm | Socket Type | Box qty. | | Item Code | Size in mm | Socket Type | Box qty. | |
|--------------|------------|-------------|----------|--|--------------|------------|-------------|----------|---|
| NFWCPCOF110W | 125x110 | RxR | 18 |  Flexi WC Pan Connector Offset | MP1SPTVC051L | 50 | S | 280 |  Vent Cowl with Wire Mesh |
| | | | | | MP1SPTVC064L | 63 | S | 132 | |
| | | | | | MP1SPTVC076L | 75 | S | 90 | |
| | | | | | MP1SPTVC091L | 90 | S | 48 | |
| | | | | | MP1SPTVC111L | 110 | S | 32 | |
| | | | | | MP1SPTVC161L | 160 | S | 26 | |
| MP1SPTWC125L | 125x110 | RxSpg | 15 |  WC Connector Straight (Reducer type) | NP1SPTVC075L | 75 | S | 100 |  Vent Cowl Premium (with Wire Mesh) |
| | | | | | NP1SPTVC110L | 110 | S | 57 | |
| MP1SPTWB110L | 110 | RxSpg | 21 |  WC Connector (Bend) | NA1SPTAV110D | 110 | Spg | 12 |  Air Admittance Valve |
| FPS0WCC116LG | 110x12" | RxSpg | 20 |  WC Connector Straight (F) | MP1SPTPC050L | 50 | | 230 |  Pipe Clip |
| FPS0WCC110LG | 110x18" | RxSpg | 12 | | MP1SPTPC063L | 63 | | 220 | |
| FPS0WCC114LG | 110x22" | RxSpg | 10 | | MP1SPTPC075L | 75 | | 350 | |
| FPS0WCC117LG | 110x24" | RxSpg | 10 | | MP1SPTPC090L | 90 | | 325 | |
| FPS0WCC119LG | 110x32" | RxSpg | 5 | | MP1SPTPC110L | 110 | | 200 | |
| NP2SPTDR009L | 110 | Spg | 8 |  Domed Roof Outlet | MP1SPTPC160L | 160 | | 100 | |
| | | | | | MP1SPTPC200L | 200 | | 50 | |
| NP2SPTSR110D | 110 | Spg | 8 |  Siphonic Roof Outlet | NP1SPTSG110L | 110 | Spg | 6 |  Square Gully Trap (IP) |
| MP1SPTVC050L | 50 | S | 320 |  Vent Cowl | 4100280 | 50 (2") | | |  Clevis Hanger |
| MP1SPTVC063L | 63 | S | 144 | | 4100281 | 65 (2½") | | | |
| MP1SPTVC075L | 75 | S | 99 | | 4100282 | 80 (3") | | | |
| MP1SPTVC090L | 90 | S | 72 | | 4100283 | 100 (4") | | | |
| MP1SPTVC110L | 110 | S | 66 | | 4100284 | 150 (6") | | | |
| MP1SPTVC160L | 160 | S | 60 | | | | | | |
| MP1SPTVC200L | 200 | S | 21 | | | | | | |

R-Rubber ring, CR - Click ring, S - Solvent type (pasted), Spg - Spigot end.

THE SYSTEM

Supreme is the pioneer in introducing the uPVC S.W.R. drainage system in India. This efficient and trouble free system has replaced the conventional CI and AC drainage products from the market. Skyrise low noise drainage system is yet another finest system offered by the company for high rise buildings and premium projects. In addition to these two building drainage systems, recently we have introduced a new system for affordable housing segment under the brand name 'Streamline'. This pocket friendly building drainage system is designed to meet all the functional requirements of the affordable housing sector. Though light in weight this system is strong enough to provide long service life and also offers many other advantages.

Product Specifications and Range

Pipes and fittings are available in 75 and 110mm sizes. Different types of pipes and fittings in the range are enlisted in the table given below.

PIPES

| Nominal outside diameter | Tolerance on outside diameter | Wall thickness | |
|--------------------------|-------------------------------|----------------|------|
| | | Min | Max |
| 75 | + 0.3 | 1.40 | 1.60 |
| 110 | + 0.4 | 1.50 | 1.65 |



(all dimensions are in mm)



FEATURES AND BENEFITS

- Quick and efficient disposal of waste**
- Excellent chemical and corrosion resistance**
- Light in weight**
- UV resistance**
- Quick and convenient installation**
- Minimal maintenance**
- Cost effective solution for affordable housing**
- Manufactured as per company standards**
















FITTINGS

| Item Code | Size in mm | Socket Type | Box qty. | |
|--|------------|----------------|-----------|--|
| MP1SFRCP075L MP1SFRCP110L (Fix 'O' Ring) | 75 110 | RxR RxR | 125 48 |  Coupler |
| MP1SSPCP075L MP1SSPCP110L | 75 110 | SxS SxS | 140 60 | |
| MP1SFRBE075L MP1SFRBE110L (Fix 'O' Ring) | 75 110 | RxSpG RxSpG | 70 25 |  Bend 87.5° |
| MP1SSPBE075L MP1SSPBE110L | 75 110 | SxSpG SxSpG | 75 24 | |

| Item Code | Size in mm | Socket Type | Box qty. | |
|--|------------|----------------|-----------|--|
| NP1SFRDB075L NP1SFRDB110L (Fix 'O' Ring) | 75 110 | RxSpG RxSpG | 50 20 |  Door Bend 87.5° (TS) |
| NP1SSPDB075L NP1SSPDB110L | 75 110 | SxSpG SxSpG | 60 20 | |
| MP1SFRBF075L MP1SFRBF110L (Fix 'O' Ring) | 75 110 | RxSpG RxSpG | 90 32 |  Bend 45° |
| MP1SSPBF075L MP1SSPBF110L | 75 110 | SxSpG SxSpG | 100 36 | |

R-Rubber ring, S - Solvent type (pasted), SpG - Spigot end.

| Item Code | Size in mm | Socket Type | Box qty. | | Item Code | Size in mm | Socket Type | Box qty. | |
|--|------------|--------------------|----------|---|---|-------------------------------|-------------------------|----------------|---|
| MP1SFRST075L MP1SFRST110L (Fix 'O' Ring) | 75 110 | RxRxSpg RxRxSpg | 45 18 |   Single Tee | NP1SFRDT111L | 110x75 | RxRxSpg | 18 |   Reducing Tee with Door |
| MP1SSPST075L MP1SSPST110L | 75 110 | SxSxSpg SxSxSpg | 50 18 | | NP1SSPDT111L | 110x75 | SxSxSpg | 20 | |
| NP1SFRDT075L NP1SFRDT110L (Fix 'O' Ring) | 75 110 | RxRxSpg RxRxSpg | 40 15 |   Single Tee with Door | MP1SFRYP075L MP1SFRYP110L | 75 110 | RxRxSpg RxRxSpg | 36 12 |   Single Y |
| NP1SSPDT075L NP1SSPDT110L | 75 110 | SxSxSpg SxSxSpg | 40 15 | | MP1SSPYP075L MP1SSPYP110L | 75 110 | SxSxSpg SxSxSpg | 40 16 | |
| MP1SFRRT110L (Fix 'O' Ring) | 110x75 | RxRxSpg | 20 |   Reducing Tee | NP1SSPDY075L NP1SSPDY110L | 75 110 | SxSxSpg SxSxSpg | 32 12 |  Single Y with Door |
| MP1SSPRT110L | 110x75 | SxSxSpg | 24 | | NP1SLPPS110L NP1SLPPT125L (w/o WC ring) NP1SLPPS125L (with WC ring) | 110x110 125x110 125x110 | RxSpg RxSpg RxSpg | 13 13 13 |  'P' Trap |
| | | | | | NP1SLPSS110L | 110x110 | RxSpg | 10 | |
| | | | | | | | | |  'S' Trap |

R-Rubber ring, S- Solvent type (pasted), Spg - Spigot end.

THE SYSTEM

Supreme Skyrise® S.W.R. drainage system is a premium product especially designed for hotels, hospitals, high rise buildings, and premium projects where regular S.W.R. do not meet the application requirements. Such buildings require a soil system which is strong enough to withstand site handling and other application requirements. Designed to meet strictest demands of strength and other mechanical properties, this thick walled, high density Skyrise® S.W.R. drainage system is additionally equipped with low noise features. This makes it suitable for the projects where sound beyond a certain decibel level is not desirable. Thus, a combination of strength and low noise has made this product an excellent choice for high rise buildings. It is the best plastic alternative to CI drainage system. As a pioneer in the field, it is with great pride we have introduced this system in the market to improve present drainage system.

Product Specifications and Range - Supreme Skyrise® S.W.R. drainage system is manufactured in 50, 75, 110, 160 and 200mm dia. sizes in specially designed rubber seal joints besides pasted variety. Wall thicknesses of pipes and fittings are designed to make the product strong, durable and soundproof. This system conforms and exceeds EN1329 standard requirements.

Raw Material - Considering superior properties of PVC like higher modulus of elasticity and high density among the popular thermoplastics, Supreme Skyrise® drainage system is made from mineral reinforced PVC for improved sound insulation.

Fields of Application - Skyrise® is specially designed for high-rise buildings and premium construction projects where low noise properties along with good mechanical properties are essentially required. Skyrise® is an ideal solution for all types of professional wastewater installations.

FEATURES AND BENEFITS

Strong and durable - Every component of the system is designed to provide adequate strength to make it strong against various forces encountered during and after the installation.

Improved noise insulation - Use of mineral reinforced special compounds having increased molecular weight, extra wall thickness and ribs on the external face of fittings make the system almost sound proof. Skyrise® noise levels as certified by Fraunhofer Lab, Germany are 17 and 20 decibels corresponding to 2 and 4 ltrs/ sec. respectively.

Extensive range of pipes and fittings - Complete range in push fit - rubber seal type joints as well as pasted type joints are made available in 50 to 200mm sizes.

Smooth bore - better flow - No clogging - mirror smooth internal surface of "Skyrise®" helps to avoid sedimentation and lime deposition.

Easy and leak proof joints - Unique design of joints with click ring and specially designed rubber seals with reinforcing rings makes the joints absolutely water tight. Unlike normal sealing rings, the sealing rings provided with "Skyrise®" cannot be easily removed which guarantees a perfect hydraulic seal and total safety during installation. It eliminates the scope of leakage under any circumstance.

Light weight as compared to CI - Light weight and easy jointing technique makes the installation job very simple, easy and quick.

Unique design and elegant appearance

Swept entry design of the tee's to meet UPC requirements.

Excellent corrosion and chemical resistance - Skyrise® offers great resistance to corrosion and a wide range of chemical agents as a result the system offers long life beyond 50 year's.

Good fire resistant properties - PVC is self-extinguisher of fire. It is classified as B-S1-dO (B = Low speed of fire spread and heat emission, S1 = Low quantity and speed of smoke emission, dO = No flaming drip's are produced).

Compatible with existing S.W.R. systems

Cost effective - "Skyrise®" offers cost advantage over CI and other similar products available in the market.













PIPES






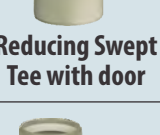
Dimensions of Skyrise pipes

| Size | Tolerance on outside diameter | Wall thickness | |
|------|-------------------------------|----------------|------|
| | | Min | Max |
| 50 | + 0.3 | 3.00 | 3.20 |
| 75 | + 0.3 | 3.50 | 3.80 |
| 110 | + 0.4 | 3.80 | 4.20 |
| 160 | + 0.5 | 4.50 | 5.00 |
| 200 | + 0.6 | 4.60 | 5.20 |


















Pipe thicknesses conforms to and exceeds EN:1329. Pipe length is 3m inclusive of socket length along with different lengths are made available.

FITTINGS

| Item Code | Size in mm | Socket Type | Box qty. | |
|---------------|------------|-------------|----------|---|
| MP1KRPCP050T | 50 | RxR | 100 |  |
| NP1KCRCP075T | 75 | CRxCR | 36 | |
| NP1KCRCP110T | 110 | CRxCR | 18 | |
| NP1KCRCP160T | 160 | CRxCR | 12 | |
| NP1KCRCP200T | 200 | CRxCR | 4 | |
| MP1KPTCP050T | 50 | SxS | 150 |  |
| MP1KPTCP075T | 75 | SxS | 60 | |
| MP1KPTCP110T | 110 | SxS | 24 | |
| MP1KPTCP160T | 160 | SxS | 24 | |
| MP1KPTCP200T | 200 | SxS | 6 | |
| MP1KRPE050T | 50 | RxSpg | 80 |  |
| NP1KCRBE075T | 75 | CRxSpg | 24 | |
| NP1KCRBE110T | 110 | CRxSpg | 8 | |
| NP1KCRBE160T | 160 | CRxSpg | 7 | |
| NP1KCRBE200T | 200 | CRxSpg | 3 | |
| MP1KPTBE050T | 50 | SxS | 85 |  |
| MP1KPTBE050T | 50 | SxSpg | 95 | |
| MP1KPTBE075T | 75 | SxSpg | 27 | |
| MP1KPTBE110T | 110 | SxSpg | 9 | |
| MP1KPTBE160T | 160 | SxSpg | 8 | |
| MP1KPTBE200T | 200 | SxSpg | 4 | |
| NP1KRDB050T | 50 | RxSpg | 60 |  |
| NP1KCRDB075T | 75 | CRxSpg | 20 | |
| NP1KCRDB110T | 110 | CRxSpg | 6 | |
| NP1KCRDB160T | 160 | CRxSpg | 6 | |
| NP1KCRDB200T | 200 | CRxSpg | 3 | |
| NP1KPTDB050T | 50 | SxS | 60 |  |
| NP1KPTDB050T | 50 | SxSpg | 75 | |
| NP1KPTDB075T | 75 | SxSpg | 20 | |
| NP1KPTDB110T | 110 | SxSpg | 8 | |
| NP1KPTDB160T | 160 | SxSpg | 8 | |
| NP1KPTDB200T | 200 | SxSpg | 4 | |
| MP1KRBF050T | 50 | RxSpg | 95 |  |
| NP1KCRBF075T | 75 | CRxSpg | 24 | |
| NP1KCRBF110T | 110 | CRxSpg | 10 | |
| NP1KCRBF160T | 160 | CRxSpg | 10 | |
| NP1KCRBF200T | 200 | CRxSpg | 2 | |
| MP1KPTBF050T | 50 | SxS | 105 |  |
| MP1KPTBF050T | 50 | SxSpg | 120 | |
| MP1KPTBF075T | 75 | SxSpg | 32 | |
| MP1KPTBF110T | 110 | SxSpg | 12 | |
| MP1KPTBF160T | 160 | SxSpg | 10 | |
| MP1KPTBF200T | 200 | SxSpg | 6 | |
| MP1SRPST050L | 50 | RxRxSpg | 50 |  |
| NP1KCRST075T | 75 | CRxCRxSpg | 12 | |
| NP1KCRST110T | 110 | CRxCRxSpg | 12 | |
| NP1KCRST160T | 160 | CRxCRxSpg | 5 | |
| NP1KCRST200T | 200 | CRxCRxSpg | 1 | |
| MP1KPTSTS050T | 50 | SxSxS | 45 |  |
| MP1KPTST050T | 50 | SxSxSpg | 50 | |
| MP1KPTST075T | 75 | SxSxSpg | 16 | |
| MP1KPTST110T | 110 | SxSxSpg | 12 | |
| MP1KPTST160T | 160 | SxSxSpg | 5 | |
| MP1KPTST200T | 200 | SxSxSpg | 2 | |

| Item Code | Size in mm | Socket Type | Box qty. | |
|---------------|------------|-------------|----------|---|
| NP1KRPD050T | 50 | RxRxSpg | 40 |  |
| NP1KCRDT075T | 75 | CRxCRxSpg | 10 | |
| NP1KCRDT110T | 110 | CRxCRxSpg | 4 | |
| NP1KCRDT160T | 160 | CRxCRxSpg | 4 | |
| NP1KRRDT200T | 200 | CRxCRxSpg | 1 | |
| NP1KPTDTS050T | 50 | SxSxS | 40 |  |
| NP1KPTDT050T | 50 | SxSxSpg | 40 | |
| NP1KPTDT075T | 75 | SxSxSpg | 12 | |
| NP1KPTDT110T | 110 | SxSxSpg | 12 | |
| NP1KPTDT160T | 160 | SxSxSpg | 4 | |
| NP1KPTDT200T | 200 | SxSxSpg | 2 | |
| NP1KCRRT110T | 110x75 | CRxCRxSpg | 6 |  |
| NP1KCRRT160T | 160x110 | CRxCRxSpg | 5 | |
| MP1KPTRT110T | 110x75 | SxSxSpg | 20 | |
| MP1KPTRT160T | 160x110 | SxSxSpg | 8 | |
| NP1KCRDT111T | 110x75 | CRxCRxSpg | 12 | |
| NP1KCRDT161T | 160x110 | CRxCRxSpg | 4 |  |
| NP1KPTDT111T | 110x75 | SxSxSpg | 18 | |
| NP1KPTDT161T | 160x110 | SxSxSpg | 5 | |
| MP1KRYP050T | 50 | RxRxSpg | 45 | |
| NP1KCRYP075T | 75 | CRxCRxSpg | 12 | |
| NP1KCRYP110T | 110 | CRxCRxSpg | 12 |  |
| NP1KCRYP160T | 160 | CRxCRxSpg | 4 | |
| MP1KPTYPS050T | 50 | SxSxS | 45 | |
| MP1KPTYP050T | 50 | SxSxSpg | 50 | |
| MP1KPTYP075T | 75 | SxSxSpg | 16 | |
| MP1KPTYP110T | 110 | SxSxSpg | 12 |  |
| MP1KPTYP160T | 160 | SxSxSpg | 4 | |
| NP1KRRY111T | 110x75 | CRxCRxSpg | 12 | |
| NP1KRRY162T | 160x75 | CRxCRxSpg | 6 | |
| NP1KRRY161T | 160x110 | CRxCRxSpg | 5 | |

R-Rubber ring, CR - Click ring, S - Solvent type (pasted), Spg - Spigot end.

| Item Code | Size in mm | Socket Type | Box qty. | | Item Code | Size in mm | Socket Type | Box qty. | |
|--|-----------------------------------|-----------------|----------|---|---|------------------------|-----------------|----------|--|
| MP1KPTRY110T | 110x75 | SxSxSpg | 15 |  Reducing Y | NP1KPTUT110T | 110x110 | SxSpg | 12 |  'U' Trap |
| MP1KPTRY162T | 160x75 | SxSxSpg | 8 | | | | | | |
| MP1KPTRY161T | 160x110 | SxSxSpg | 6 | | | | | | |
| MP1KRPER075T (Fix 'O' Ring) | 75x50 | RxSpg | 90 |  Eccentric Reducer | NP1KPTPL110T | 110x110 | SxSpg | 9 |  'P' Trap |
| NP1KCRER110T | 110x75 | CRxSpg | 16 | | | | | | |
| NP1KCRER160T | 160x110 | CRxSpg | 6 | | RLUTRV0110TG | 110x110x75 | RxRxR | 1 |  True Vent |
| NP1KCRER200T | 200x160 | CRxSpg | 4 | | | | | | |
| MP1KPTER110T | 110x75 | SxSpg | 30 | | | | | | |
| MP1KPTER160T | 160x110 | SxSpg | 12 | | Note: Designed to improve the performance of single stack drainage system. This uniquely designed product improves the flow characteristics in the vertical stack and eliminates a separate vent stack required for venting in high rise buildings. | | | | |
| MP1KPTER200T | 200x160 | SxSpg | 6 | | | | | | |
| NP2KCRAP110T | 110 | CRxSpg | 6 |  Acces Pipe | RLUBLV0110TG1 | 10x110x110 x110x110 | RxRxRx RxSpg | 1 |  Ball Fitting |
| NP1KPTFTN04T (without top tile) | 110x75 100mm (4") height | SxSpg | 24 |  Plain Floor Trap | RLUBLV0110BK1 | 10x110x110 x110x110 | RxRxRx RxSpg | 1 | |
| | | | | | (Fix 'O' Ring) | | | | |
| NP1KPSMFS06T (with top tile) | 110x75x 50/40 | SxSpgx Spg/S | 8 |  Sunken Multi Floor Trap | NP1KPTVC075T | 75 | S | 100 |  Vent Cowl (with wire mesh) |
| NP1KPTMFS06T (without top tile) | 110x75x 50/40 | SxSpgx Spg/S | 8 | | NP1KPTVC110T | 110 | S | 57 | |
| NP1KPTMFS61T (without top tile) | 110x75x50 150mm (6") height | SxSpgxS | 6 | | NP1KPTPC110T | 110 | S | 100 |  Pipe Clamp |
| | | | | | NP1KPTPC160T | 160 | S | 60 | |
| | | | | | NP1KPTPC200T | 200 | S | 30 | |
| This product is provided with removable partition and extension provision of 110mm size at the top with or without height riser. | | | |  Height Riser | NP1KRRPC111T | 110 | S | 75 |  Pipe Clamp Rubber Seal |
| MP1KPTHR110T | 110x75/50 150mm (6") height | SxSpgxS | 8 | | NP1KRRPC161T | 160 | S | 50 | |
| | | | | | NP1KRRPC201T | 200 | S | 25 | |
| This is used to raise the height of floor traps. | | | |  Extension Piece (with SS grating cover) | NP1KPHPC076T | 75 | S | 50 |  Pipe Clamp (for noise dampening) |
| NP3SRREP110B | 110X75X50 | Spg | 16 | | NP1KPHPC111T | 110 | S | 50 | |
| NP3SPTAT110B | 110 | Spg | 16 |  Anchor Top Tile with SS Grating | 4100369 | 50 | | |  Metal Clamp with Rubber Seal |
| | | | | | 4100376 | 65 | | | |
| | | | | | 4100370 | 80 | | | |
| | | | | | 4100371 | 100 | | | |
| | | | | | 4100372 | 150 | | | |
| | | | | | 4100373 | 200 | | | |
| | | | | | Note: These clamps are available with stud and anchor. | | | | |

R-Rubber ring, CR - Click ring, S - Solvent type (pasted), Spg - Spigot end.

THE SYSTEM

Supreme underground drainage and sewerage system has been designed with a view to modern man's inclination towards health, hygiene and his aversion to filth and pollutants. It is hence important that the system should be of good quality and should be able to function year after year without any leakage or defects. It becomes unpleasant and expensive to address the problems that arise in conventional underground products. Such problems may happen due to poor product quality or due to faulty construction and outdated technology.

Supreme Nu-Drain is intended to carry soil and waste from building to roadside sewers or drains and from there to the treatment plant or disposal point. This system offers multiple advantages over traditional drainage products for all sorts of drainage and sewerage applications and installations. Nu-Drain is highly recommended for buildings where hygiene is a prerequisite such as hospitals, hotels etc. This can also be used for rainwater collection and disposal, including rainwater harvesting. Thus, Nu-Drain is a complete solution for underground drainage and sewerage application. Being 100% watertight, it is free from ingress and seepage of water and is considered to be the most hygienic. Unlike conventional drainage products, it is free from pollution of underground water, soil or ill effects on building foundations. In this fast age, this product has emerged as blessing to the housing and construction sector. Due to tremendous saving in time and labour, installation of this system is quite simple and fast. The choice of the raw material, the structural accuracy and the strict quality control imparts high degree of reliability. As a result Nu-Drain is now approved by MCGM and emerged as a superior substitute to conventional products.

| Products | Std. specification | Sizes available |
|-----------------------|--------------------|-----------------------|
| Inspection chambers | EN:13598 | Ultra 250 to 600mm |
| Manholes | EN:13598 | Ultra 800/1000/1200mm |
| uPVC solid wall pipes | IS:15328-2003 | 110 to 400mm |
| Eco-drain pipes | IS:16098 | 110 to 400mm |
| Foam core pipes | IS:16098 | 110 to 315mm |
| DWC pipe | IS:16098 | 75 to 800mm |
| PE pipe | IS:14333 | 63 to 800mm |

FEATURES AND BENEFITS

Great flexibility - Due to availability of readymade inspection chambers and manholes along with longer lengths of lighter weight pipes, fittings and required accessories, installation of this system is very convenient and fast.

Perfect hydraulic properties - Mirror smooth inside surface of the pipes and streamline design of the chambers and manholes greatly reduce the possibility of blockage and maximizes the flow characteristics. As a result, carrying capacity of these pipes can be increased by 40% over concrete pipes.

Great strength - Products are sufficiently durable to meet site-loading requirements.

100% watertight system - Pipe, riser or the shaft connection with the chamber base is absolutely watertight and unique

design of pipe joints with click ring and sealing ring makes the system completely leak proof.

Hygienic and safe - Trouble free performance of the joints without blockages and leakages ensure high standards of hygiene.

Minimum excavation cost - Because of simple jointing technique, trench width can be kept to a minimum and smoother bore of the pipe allows high flow rates at relatively flatter gradients.

Different flow profile designs - Inspection chambers are available in different flow profiles/configurations of inlet(s) and outlet in different sizes to suit the site requirements. Inlets that are not needed can be closed with the help of blanking plugs.

Minimal maintenance - Optimum functional qualities and good hydraulic properties play an important part in reducing the need for jetting and other forms of maintenance and therefore operational costs are considerably reduced.

Longer life and overall economy - It is free from problems like corrosion and susceptibility to chemical reactions and strong enough to carry soil and traffic loads. Nu-Drain is sufficiently durable and offers long and trouble free service life.

Components of Nu-Drain UDS system

Inspection Chambers - Following different sizes of Ultra Inspection Chambers and manholes along with cover solution are available in the range:

1. Ultra 250 with or without trap provision and 110mm inlet(s) and outlet. (Size of the trap is 75mm)
2. Ultra 315 in seven different flow configurations & multiple inlet configuration with 110mm inlet(s) and outlet.
3. Ultra 355 in five different configurations with 160mm inlet(s)/outlet and with 160/110mm in three different configurations inlet(s)/outlet, besides multiple inlet(s) with 110mm size branch inlets and 160mm main inlets/outlet.
4. Ultra 450 multiple inlet(s) with 110mm branch inlets and two 160mm inlets at 90° with 160mm main inlet/outlet and Ultra 450mm chamber in five different flow configurations.
5. Ultra 600 with 200 and 250mm inlet(s) and outlet in six different configurations.
6. Ultra 600 with 200, 250 and 315mm inlet(s) and outlet in straight through and 200 mm inlet / outlet in 90° bend configurations.
7. Ultra 600 blind base with 110 to 250mm inlet(s) and outlet in different angular configurations to connect PVC and DWC pipes.
8. 600 mm size multi-inlet inspection chamber in single piece design with inbuilt outlets up to 315mm and provision to connect inlet(s) up to 250/315mm.
9. Ultra 800 manhole in single piece design with 160 to 400mm size inlet(s)/outlet in six different flow configurations to connect PVC and DWC pipes.
10. Ultra 1000 manhole in three piece design with 250mm branch inlets and 315mm main inlet and outlet in seven different flow configurations.
11. Ultra 1000 manhole in single piece design with 250mm branch inlets and 315mm main inlet and outlet in seven

different flow configurations with corrugated and non-corrugated shafts.

12. Ultra 1000 manhole in single piece design with 160 to 400mm and 150 to 600mm size inlet(s)/outlet in six different flow configurations to connect PVC and DWC pipes respectively.
13. Ultra 1000 blind base manhole in single piece design with 110 to 355mm and 150 to 300mm size inlet(s)/outlet in different angular configurations to connect PVC and DWC pipes respectively.
14. Ultra 1200 manhole in three piece design with 315mm inlet(s)/outlet in seven different configurations and Ultra 1200 manhole in straight through configuration with 400 or 450mm size inlet/outlet.
15. Ultra 1200 manhole in three piece design with 160 to 400mm and 150 to 600mm size inlet/outlet in six different configurations to connect PVC and DWC pipes respectively.
16. Ultra 1200 manhole in single piece design with six different flow profiles having 160 to 400mm size inlets/outlet for PVC and 150 to 600mm for DWC pipes.

Note: Eccentric reducers and DWC adaptors in different sizes are also available to convert inlet(s)/outlet to required smaller sizes.

Ultra 250

This unique inspection chamber of 250x110mm in uPVC is featured with the provision of 75mm trap. One can, therefore, directly combine soil and waste lines to reduce the cost. This is also available without trap and hence customer has choice to use this chamber as per site requirements. This small version of inspection chamber is recommended for small bungalows/houses where maximum invert depth is up to 600mm.



Ultra 315, Ultra 355 and Ultra 450



Ultra inspection chambers in these sizes comprise chamber base, riser(s)/shaft in specially developed Polypropylene/PE grade. Covers and frame are made in composite plastic and GRP. Entire assembly provides a completely sealed system up to ground level. It offers a wide variety of flow profiles, giving an option for all drainage applications between 110 to 200mm sizes. The choice of the different configurations provides a comprehensive, level invert system with excellent flow characteristics. The invert depth can be obtained by using multiple risers or suitable length of shaft.

Ultra 315 inspection chambers are designed to collect 110mm drains at invert depth up to 625mm by using risers (max 2 risers) whereas Ultra 355 inspection chamber is designed to collect 160/110mm drains at invert depths up to 690mm by using shaft/riser(s).

Ultra 450 inspection chambers are designed to provide the method of collecting 110/160/200mm drains at invert depths up to 1280mm by using risers (max 5 risers) and 1295mm by using shaft. Concentric grooves are



given on the exterior face of the riser which acts as cutting guides and shallower depths can be achieved by cutting the riser. Shaft should be cut on the top of corrugation for proper placement of the sealing ring.

Ultra 600

The Ultra 600 deep inspection chamber consists of a base and corrugated shaft. This Ultra 600 base provided with swivel adopter have a 250 mm size inlet(s)/outlet. It is made available in 6 different flow configurations. The specially designed swivel adopter allows free angular deflection of 7.5° from the centerline in each direction. This flexibility allows the adjustment of pipe connection in the trench to match the slope and alignment. In addition to the Ultra 600x250 mm size inspection chambers, we have also introduced Ultra 600x200mm chambers without swivel adopter in 5 different flow profiles. Both Ultra 600x250 and Ultra 600x200 inspection chambers are provided with separate base and shaft.



Besides these, we also offer Ultra 600 with an integral shaft. This is made available in straight through configuration with inlet and outlet in 200, 250 and 315mm sizes and 90° bend with 200 mm inlet/outlet. These compact inspection chambers are cost-effective and suitable for all drainage, sewerage and storm water drainage applications.

These robust chambers are suitable for installation depths from 0.8 to 5 m. The corrugated shaft provides excellent resistance to ground movement and heavy traffic loads. This strong and sturdy product is superior and helpful in many ways. Simple and reliable "in-situ" connections can be easily made in the shaft to make additional connections.

The adjustable telescopic adapter is also made available to adjust the height and to provide a proper seating base for GRP or SFRC frame and cover. Ultra 600 can be used with and without a telescopic adopter.

Recently, we have introduced a 600 mm size multi-inlet cost effective inspection chamber in single piece design i.e. base with shaft in integral form to meet the project requirements where invert depths are less than 2.0 m. It can be supplied with new 600mm size OD shaft as well as existing 672 mm OD shaft. It is provided with integral outlets with spigot ends from 160 to 315 mm and flat surface to adopt the connecting pipes (side inlets from 110 to 250 mm and main inlets up to 315 mm) by core cutting. Plain uPVC or PE pipes can be directly connected to the base using rubber seals whereas, for DWC pipes, DWC adaptors are required. This cost-effective multi-inlet inspection chamber with new shaft is made available in 5 invert depths and with existing shaft in 3 invert depths, in 6 different flow configuration as per the below given charts. This inspection chamber designed to meet all the functional requirements as per EN standard.

In-situ Adapter

Besides Inlet(s) of selected flow profile of the chambers base, additional connections can also be made through shaft at different heights or angles using specially designed in-situ adapters. These adaptors are available in 75, 110, 160 and 200mm sizes which can be used for assessing any line even in post installation condition.



Application: 1) Properties built with the lowest floor containing plumbing fixtures (bathtub, shower, floor drain, etc.) below the upper manhole of the public sewer. 2) Properties in flood prone areas. 3) Properties with a history of backups during heavy rains.

Yard Gully



Yard gully is a part of storm water collection system, it is used to collect rain water/surface water from the open area and discharge it by separation of sand, silt and solid wastes in the runoff. Thus Yard gully is used to separate out solids in the surface water before discharging it to storm water main, which can then

be cleaned periodically. This design has unique features like partition separating collection pit and discharge section. It is provided with 160 and 110mm outlet which can be used as per site requirements. As this Yard Gully is provided with adequate water seal, it can also be used for waste water collection especially when it contains large quantity of solid particles.

Surface Drain Channel



Supreme offers Surface Drain Channels in 4" (110mm) size and is made from highly durable and chemical resistant polypropylene material. They are free from blockage, leakage and breakage problems caused by traditional surface drain channel. Supreme Surface Drain Channels are available in 1m length and can be cut as per site requirement up to 0.5m. These channels are tough, durable and sustains loads up to 1.5 MT wheel load and suitable for parking areas.

Application: This Surface Drain Channels are installed in pavements, roadside curbs, cycle ways and car park area, shopping malls, sports grounds, building terrace, corporate houses, hotels, hospitals, academic institutes etc.

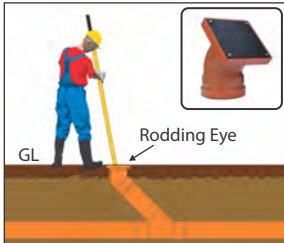
Pipe connections: Each surface drain channel is provided with bottom and side connections for connecting drain pipes.

Grease Traps

A grease trap is a device designed and installed to separate out, retain and remove grease and similar substances from waste water which are deleterious, hazardous and undesirable. These traps prevent greasy substances from entering plumbing systems, septic fields and waste water treatment facilities, where they are difficult to



Rodding Eye



Access for inspection, cleaning and maintenance of underground drainage system is very important and normally achieved through inspection chambers and manhole. But most of the time we come across the situation where use of inspection chamber is either

difficult or impossible due to site constraints, proximity of other adjacent chambers. Under such circumstances we can eliminate the use of chamber by replacing it with rodding eye. Thus rodding eye is an access fitting which allow rodding in case of blockage. Given picture explains its application and installation.

Cover Solution

Heavy weight frame and covers in composite material for Ultra 315 and Ultra 450 are designed to tilt and rotate to suit site conditions. These covers are designed for 3.5 MT wheel load and are suitable for light traffic movements. These covers are provided with 4 screw holes suitable for self-tapping. In addition to these, sealed covers for internal use, light duty (LW) covers for pedestrian areas are also available. For heavy traffic conditions, GRP/SFRC frame and covers are also made available. Besides plain covers, covers with gratings are also made available.

Recently we have introduced covers for Ultra 355 in 3.5 MT, 600x450mm in 5 MT and 300x300mm gully top covers in composite plastics.

Backflow Prevention Valve

A backflow prevention valve is a one-way valve that is installed on a building's lateral sewer. A properly installed and maintained back flow prevention valve will prevent the sewer from backing up and flooding a building.

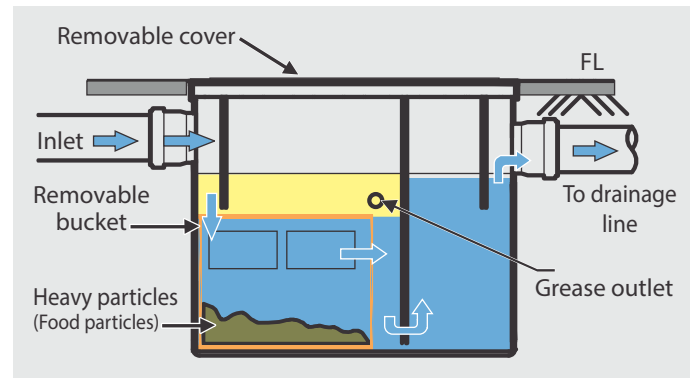
Most of the properties are connected to public sewers. Many of these properties are situated and connected to the sewers in such a way that an obstruction in the public sewer or a severe rain event will not cause sewage backup into the properties.

Function of back flow prevention valve: A back flow prevention valve has an internal mechanical disc (flap) that will close a sewer pipe opening when reverse surcharges from a public/private sewer system attempt to enter a building drainage system, preventing the flooding of a building with raw sewage.

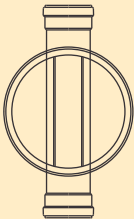
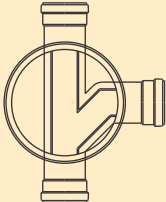
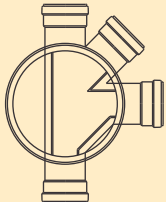
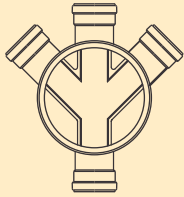
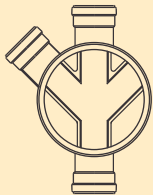


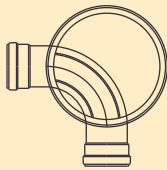
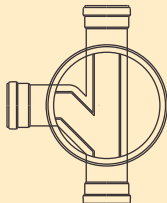
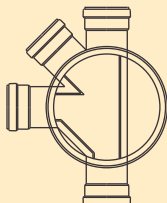
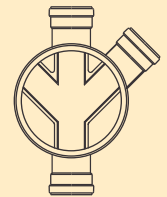
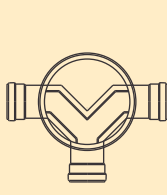
process and can create environmental problems. If large amounts of grease, soaps and oils enter a sewer system, the materials will coagulate, solidify and adhere to the inside wall of the pipe, eventually blocking the pipe. We recently introduced 50, 100, 250, 500 & 1000ltrs capacity grease traps.

Application: Restaurants, hotels, cafeterias, dairies, slaughterhouses and commercial food-processing plants, hospitals and institutional or commercial buildings where food is served in great quantity may produce grease in sufficient amounts to warrant the installation of such grease traps.

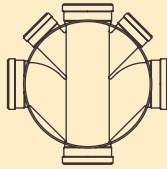

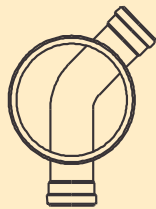

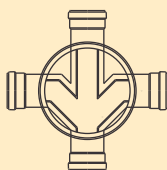

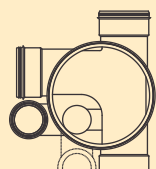






Inspection Chambers and Accessories















| Item Code | Chamber Base | D1 | D2 | D3 | |
|--------------|--------------|-----|-----|-----|---|
| NP3UCUBS315G | 315 | 110 | 110 | |  Straight Through |
| NP3UCBST355G | 355 | 160 | 160 | | |
| NP3UCBST450K | 450 | 200 | 200 | | |
| RLUCHM0607BK | 600 | 200 | 200 | | |
| RLUCHM0600BK | 600 | 250 | 250 | | |
| NP3UCBRH315G | 315 | 110 | 110 | |  Right Hand 90° Junction |
| NP3UCBRH355G | 355 | 160 | 160 | | |
| NP3UCBRH450K | 450 | 200 | 160 | | |
| RLUCHM0608BK | 600 | 200 | 200 | | |
| RLUCHM0603BK | 600 | 250 | 250 | | |
| NP3UCBHR315G | 315 | 110 | 110 | 110 |  Right Hand 45° and 90° Junction |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| RLUCHM0457BK | 450 | 200 | 160 | |  RH & LH 45° Junction |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| RLUCHM0456BK | 450 | 200 | 160 | |  Left Hand 45° Junction |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| Item Code | Chamber Base | D1 | D2 | D3 | |
|---|--------------|-----|-----|-----|---|
| NP3UCUBL315G | 315 | 110 | 110 | |  |
| RLUCHM0355GB | 355 | 160 | 160 | | |
| RLUCHM0451BK | 450 | 200 | 200 | | |
| RLUCHM0606BK | 600 | 200 | 200 | | |
| RLUCHM0601BK | 600 | 250 | 250 | | |
| 250mm chamber is also available with trap | | | | | Left or Right Hand 90° Bend |
| NP3UCBLH315G | 315 | 110 | 110 | |  |
| NP3UCBLH355G | 355 | 160 | 160 | | |
| NP3UCBLH450K | 450 | 200 | 160 | | |
| RLUCHM0609BK | 600 | 200 | 200 | | |
| RLUCHM0604BK | 600 | 250 | 250 | | |
| | | | | | Left Hand 90° Junction |
| NP3UCBHL315G | 315 | 110 | 110 | 110 |  |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | Left Hand 45° and 90° Junction |
| RLUCHM0455BK | 450 | 200 | 160 | |  |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | Right Hand 45° Junction |
| NP3UCBTI315G | 315 | 110 | | 110 |  |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | Two 90° Inlet Junction |
















All the inlets and outlets of the chambers are provided with click ring type joints. D1 = Main inlet/outlet, D2/D3 = Branch inlet(s), F - Fabricated.

| Item Code | Chamber Base | D1 | D2 | D3 | | Item Code | Chamber Base | D1 | D2 | D3 | |
|---|---------------|-----------------|-----|-----|---|-------------------------------------|-----------------|-----------------|-----|--|--|
| NP3UCBMI315G | 315 | 110 | 110 | 110 |  Multiple inlets | RLUCHM0612BK (with 700mm Shaft) | 600 | 200 | 200 |  Ultra 600 with Integral Shaft Straight Through | |
| NP3UCBMI355G | 355 | 160 | 110 | 110 | | RLUCHM0611BK (with 1300mm Shaft) | 600 | 200 | 200 | | |
| NP3UCBMI450B | 450 | 160 | 160 | 110 | | RLUCHM0617BK (with 600mm Shaft) | 600 | 250 | 250 | | |
| NP3UCBMI451B (with Blanking Plug) | 450 | 160 | 160 | 110 | | RLUCHM0616BK (with 1200mm Shaft) | 600 | 250 | 250 | | |
| (Ultra 315 with 110mm two swept inlets at 45° and two 110mm inlets at 90°. Ultra 355 with 110mm two swept inlets at 45° and two 110mm inlets at 90°. Ultra 450 with 110mm two swept inlets at 45° and two 160mm inlets at 90°.) | | | | | | RLUCHM0614BK (with 600mm Shaft) | 600 | 315 | 315 | | |
| RLUCHM0602BK | 600 | 250 | | 250 | RLUCHM0615BK (with 1200mm Shaft) | 600 | 315 | 315 | | | |
| | | | | |  Right / Left Hand 45° Bend | | | | | |  Ultra 600 with Integral Shaft & Bend |
| NP3UCBTI355G | 355 | 160 | 160 | | RLUCHM0619BK (with 700mm Shaft) | 600 | 200 | 200 | | | |
| NP3UCBTX450K | 450 | 200 | 160 | | RLUCHM0618BK (with 1300mm Shaft) | 600 | 200 | 200 | | | |
| RLUCHM0610BK | 600 | 200 | 200 | | | | | | | | |
| RLUCHM0605BK | 600 | 250 | 250 | | | | | | | | |
| | | | | |  Left & Right Hand 90° Junction (Cross) | | | | | |  Ultra 600 Multi-inlet Inspection Chamber with 600mm OD shaft |
| NP1UCUBL251G | 250 w/o trap | 110 | 110 | | | | | | | | |
| FPU0UGR252GB | 250 with trap | 110 | 110 | | | | | | | | |
| | | | | | | | | | | | |
| NP1UCUBL250G | 250 w/o trap | 110 | 110 | | | | | | | | |
| FPU0UGR253GB | 250 with trap | 110 | 110 | |  Left Hand or Right Hand 90° Junction (with or w/o Trap) | (900mm invert) | 600 | 110/160/200/250 | |  Ultra 600 Blind Base with Shaft |  Ultra 600 Multi-inlet Inspection Chamber with 672mm OD shaft |
| | | | | | | (1100mm invert) | 600 | 110/160/200/250 | | | |
| | | | | | | (1400mm invert) | 600 | 110/160/200/250 | | | |
| | | | | | | (1600mm invert) | 600 | 110/160/200/250 | | | |
| | | | | | | (1900mm invert) | 600 | 110/160/200/250 | | | |
| RLUBB00600BK | 600 | 160/200/250 | | | | | | | |  Ultra 600 Blind Base with Shaft |  Ultra 600 Multi-inlet Inspection Chamber with 672mm OD shaft |
| | | | | | (1200mm invert) | 600 | 110/160/200/250 | | | | |
| RLUBB00601BK (with 1200mm Shaft) | 600 | 110/160/200/250 | | | (1800mm invert) | 600 | 110/160/200/250 | | | | |












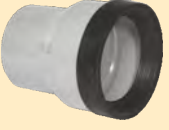



Nu-Drain Fittings and Accessories

| Item Code | Size mm | Box qty. | | Item Code | Size mm | Socket Type | Box qty. | |
|------------------------------------|---|----------|--|------------------------------------|-------------------------------------|-------------|----------|---|
| MP3UCHRW315G | 315 - 200mm long | 4 |  Riser | RLUTSA0600BK (with rubber seal) | 600 | Spg | |  Telescopic Adapter |
| MP3UCHRW355G | 355 - 335mm long | 1 | | FPU0PGR250LG | 250 | Spg | | |
| MP3UCHRI450K (with rubber seal) | 450 - 215mm long | 3 | | FPU0PGR660LG | 315 | Spg | |  Frame & Grating Cover |
| | | | | FPU0PGR661LG | 450 | Spg | | |
| FPU0UGR250GB | Ultra 250 - 320mm (1½ ft invert depth) | |  Shaft Pipe | NP5UCOFR250K | 250 L.W. | | 10 |  Frame and Cover |
| FPU0UGR251GB | Ultra 250 - 470mm (2 ft invert depth) | | | RLUUCLO450BK | 450 L.W. | | L | |
| RLUSHP0356GB | Ultra 355 - 200mm | | | | | | |  Gully Top Cover |
| RLUSHP0355GB | Ultra 355 - 460mm | | | 4100540 | 300x300 - 2.5 Ton | | | |
| RLUSHP0450BK | Ultra 450 - 460mm | | | | | | |  Gully Top Cover with Grating |
| RLUSHP0451BK | Ultra 450 - 710mm | | | 4100630 | 300x300 - 1.5 Ton | | | |
| RLUSHP0452BK | Ultra 450 - 1020mm | | | | | | |  Composite Frame and Cover |
| MHDDWCADAP0450BK | 450x400 RxS | |  Shaft Adapter (for DWC Pipe) | NP6UCFRL315K | 315 - 1.5 Ton | | 9 | |
| | | | | NPUMFRCO355K | 355 - 3.5 Ton (Round type) | | 5 |  GRP Frame & Cover |
| RLUSHP0600GB | 600 mm long | |  Shaft Pipe Ultra 600 (with rubber seal) | NPUNFRCO600K | 600x450 - 5 Ton (Rectangle type) | | | |
| RLUSHP0601GB | 900 mm long | | | NP6UCOFR315K | 315 - 3.5 Ton | | 2 |  GRP Frame & Cover (with Grating) |
| RLUSHP0602GB | 1200 mm long | | | NP6UCOFR450K | 450 - 3.5 Ton (Square type) | | 2 | |
| RLUSHP0603GB | 1500 mm long | | | 4100314 | 450 - 2.5 Ton | | | |
| RLUSHP0604GB | 1800 mm long | | | 4100312 | 450 - 10 Ton | | | |
| RLUSHP0605GB | 2100 mm long | | | 4100313 | 600 - 10 Ton | | | |
| RLUSHP0606GB | 2400 mm long | | | 4100315 | 600 - 20 Ton | | | |
| RLUSHP0614GB | 780mm long | |  Shaft Pipe with Socket Ultra 600 (with rubber seal) | 4100316 | 600 - 40 Ton | | | |
| RLUSHP0615GB | 1080mm long | | | | | | | |
| RLUSHP0616GB | 1380mm long | | | | | | | |
| RLUSHP0617GB | 1680mm long | | | | | | | |
| RLUSHP0618GB | 1980mm long | | | | | | | |
| RLUSHP0619GB | 2280mm long | | | | | | | |
| RLUSHP0620GB | 2580mm long | | | | | | | |
| | | | | | | | | |
| RLUSHC0600BK | 600mm | |  Shaft Connector | 4100318 | 450 - 2.5 Ton | | | |
| | | | | 4100317 | 450 - 10 Ton | | | |
| | | | | 4100319 | 600 - 20 Ton | | | |



All the inlets and outlets of the chambers are provided with click ring type joints. D1 = Main inlet/outlet, D2/D3 = Branch inlet(s), F - Fabricated.

| Item Code | Size mm | Socket Type | Box qty. | | Item Code | Size mm | Socket Type | Box qty. | |
|--|---|--------------------------|-------------|---|--|--------------------------|------------------------------------|--------------------|--|
| 4100415 4100416 | 450 - 20 Ton 600 - 20 Ton | | |  SFRC Frame and Cover | MP1URPCP160G (Fix 'O' Ring) | 160 | RxR | 18 |  |
| 4100414 4100413 (Covers with grating) | 450 - 20 Ton 600 - 20 Ton | | | | RLUCPL0316BK RLUCPL0355BK RLUCPL0400BK RLUCPL0450BK | 315 355 400 450 | RxR RxR RxR RxR | L L L L | |
| RLUMST0110GB RLUMST0160GB RLUMST0160BK | 110x110 (Long) 160x110 (Long) 160x110 (Short) | RxR RxR RxR | |  Master Trap | NP1UCRCP110G NP1UCRCP200G NP1UCRCP250G | 110 200 250 | CRxCR CRxCR CRxCR | 36 4 2 |  |
| | | | | | MP1UPTCP111G MP1UPTCP160G MP1UPTCP200G | 110 160 200 | SxS SxS SxS | 24 24 6 | |
| NP1URPBV110G NP1URPBV160G NP1URPBV200G | 110 160 200 | RxSpg RxSpg RxSpg | 1 1 1 |  Backflow Prevention Valve | | | | |  Coupler |
| | | | | | MP1URPBE160G (Fix 'O' Ring) | 160 | RxSpg | 7 | |
| NP1SPTSG110G | 110 | Spg | 6 |  Square Gully Trap (IP) | NP1UCRBE110G | 110 | CRxSpg | 24 |  Bend 87.5° |
| | | | | | MP1UPTBE110G MP1UPTBE160G MP1UPTBE200G | 110 160 200 | SxSpg SxSpg SxSpg | 10 8 4 | |
| NP1EPBGT101G NP1UPTBG201G | 160x110 (6x4") 200x160 (8x6") | Spg Spg | 6 2 |  Bottle Gully Trap | | | | |  Swept Bend Long Radius |
| NP1EPBGT102G NP1UPTBG200G | 160x100x100 (6x4x4") 200x160x160 (8x6x6") | SxSpg SpgxSpg | 6 2 | | NP1SCRSB111G NP1UCRSB110G | 110 110 | CRxCR CRxSpg | 10 10 | |
| NP1URPBG160G | 160x110/75x110 (6x4/2½x4") | SxSxR | 3 |  Gully Extension | MP1URPBF160G (Fix 'O' Ring) | 160 | RxSpg | 10 |  Bend 45° |
| | | | | | NP1UCRBF111G NP1UCRBF110G RLUSBN0250BK RLUSBN0315BK | 110 110 250 315 | CRxCR CRxSpg RxSpg RxSpg | 24 24 L L | |
| MP1ESBGE101G | 189x280 | S | 3 |  Insitu Adapter | MP1UPTBF110G MP1UPTBF160G MP1UPTBF200G | 110 160 200 | SxSpg SxSpg SxSpg | 12 10 6 |  Swept Tee |
| FPU0ISA075GB FPU0ISA111GB FPU0ISA161GB FPU0ISA200GB | 75 110 160 200 | Spg Spg Spg Spg | | | NP1UCRTS111G NP1UCRTS110G NP1EPSTE010G | 110 110 160 | CRxCRxCR CRxCRxSpg CRxCRxSpg | 12 12 4 | |
| FPU0LPC160LG FPU0LPC200LG | 160x110 200x110 | SpgxS SpgxS | |  Lateral Pipe Connector | MP1UPTST110G MP1UPTST160G MP1UPTST200G | 110 160 200 | SxSxSpg SxSxSpg SxSxSpg | 12 5 2 | |

All the inlets and outlets of the chambers are provided with click ring type joints. D1 = Main inlet/outlet, D2/D3 = Branch inlet(s), F - Fabricated.


| Item Code | Size mm | Socket Type | Box qty. | | Item Code | Size mm | Socket Type | Box qty. | |
|--------------------------------|---------|-------------|----------|---|--------------------------------|---------|-------------|----------|---|
| MP1UPTRT160G | 160x110 | SxSxSpg | 8 |  Reducing Swept Tee | MP1URPRD160G (Fix 'O' Ring) | 160x110 | SpgxR | 24 |  |
| MP1URPST160G (Fix 'O' Ring) | 160 | RxRxSpg | 5 |  Equal Tee | NP1UCRER200G | 200x160 | SpgxCR | 4 |  Eccentric Reducer |
| NP1UCRST110G | 110 | CRxCRxSpg | 16 | | RLUECR0251GB | 250x160 | SpgxR | L | |
| MP1URPRT160G (Fix 'O' Ring) | 160x110 | RxRxSpg | 6 |  Reducing Tee | RLUECR0250GB | 250x200 | SpgxR | L |  Rodding Eye |
| MP1URPCT160G (Fix 'O' Ring) | 160 | RxRxRxSpg | 3 |  Cross Tee | MP1UPTER200G | 200x160 | SpgxS | 6 | |
| MP1URPYP160G (Fix 'O' Ring) | 160 | RxRxSpg | 4 | | NP2URDEY110D | 110 | CR | 6 |  Blanking Plug |
| NP1UCRYS110G | 110 | CRxCRxSpg | 12 |  Single Y | MP3UCBPC075D | 75 | Spg | 75 | |
| MP1UPTY110G | 110 | SxSxSpg | 12 | | MP3UCBPC110D | 110 | Spg | 40 |  Socket Plug (PE) |
| MP1UPTY160G | 160 | SxSxSpg | 4 |  Reducing Y | MP3UCBPC160D | 160 | Spg | 42 | |
| MP1URPRY160G (Fix 'O' Ring) | 160x110 | RxRxSpg | 5 | | RLUSCP0200BK | 200 | Spg | L |  Stoneware Pipe Adapter for Plain End (Rubber Ring Type) |
| MP1UPTRY161G | 160x110 | SxSxSpg | 6 |  Hole Saw (For Insitu Adapter) | FPU0SPA110GB | 110x4" | SpgxR | L | |
| | | | | | FPU0SPA160GB | 160x6" | SpgxR | L |  RCC Pipe Adapter |
| | | | | | FPU0RCA202LG | 200x8" | SpgxR | L | |
| | | | | | FPU0RCA250LG | 250x10" | SpgxR | L |  Yard Gully Trap |
| | | | | | FPU0RCA315LG | 315x12" | SpgxR | L | |
| | | | | | 4100327 | 75 | | | |
| | | | | | 4100328 | 110 | | | |
| | | | | | 4100329 | 160 | | | |
| | | | | | 4100330 | 200 | | | |
| | | | | | RLUYGT0110BK | 110 | Spg | 1 | |
| | | | | | RLUYGT0160BK | 160 | Spg | 1 | |

All the inlets and outlets of the chambers are provided with click ring type joints.

| Item Code | Size mm | Socket Type | Box qty. | Item Code | Size mm | Socket Type | Box qty. |
|--|---------------|-------------|----------|---|---------|-------------|----------|
| NP3UPTSD110B | 110 (4x4") | | 1 | MP1UPHCO110B | 110 | Spg | 25 |
|  <p>Surface Drain Channel</p> <p>Note: This product is available in 1m length with grating</p> | | | | MP1UPHEC110B | 110 | Spg | 25 |
| | | | |  <p>Surface Drain End Cap</p> | | | |

| Item Code | Size (ltrs) | Total height | Inlet invert | Outlet invert | Total length | Inlet/Outlet size | Socket type | Length x Width | Suitable for | |
|--------------|----------------------|--------------|--------------|---------------|--------------|-------------------|-------------|----------------|--------------|--------------|
| | | | | | | | | | Above ground | Below ground |
| RLUGTP0050GB | 50 | 440 | 307.5 | 273.5 | 646 | 75 | RxR | 530 x 380 | Yes | Yes |
| RLUGTP0100GB | 100 | 491 | 317.5 | 267.5 | 870 | 75 | RxR | 742 x 584 | Yes | Yes |
| RLUGTP0250GB | 250 | 690 | 480 | 430 | 1060 | 110 | RxR | 884 x 706 | Yes | Yes |
| RLUGTP0500GB | 500 | 765 | 550 | 500 | 1341 | 110 | RxR | 1150 x 939 | No | Yes |
| RLUGTP1000GB | 1000 | 1145 | 850 | 800 | 1773 | 110 | RxR | 1620 x 1260 | No | Yes |
| RLUGTP1001GB | 1000 (with Cover) | 1145 | 850 | 800 | 1773 | 160 | RxR | 1620 x 1260 | No | Yes |

(all dimensions are in mm)



Grease Trap

Ultra[®] Manholes

THE SYSTEM

Manholes are the important components of the drainage or sewerage system. While inspection chambers are used for inspecting sewer networks from the surface level while manholes provide access to a person inside the manhole for cleaning and maintenance activities. These are used at the junction in sewer network or a straight or bend configuration depending on the flow patterns.

Unlike conventional drainage systems, the entry of man inside the manhole is almost eliminated in advanced plastic sewer systems. Because of the mirror smooth inner surface of these systems, the possibility of blockage is greatly reduced and hence the modern technology CCTV inspection cameras for inspection and jet cleaners for cleaning and maintenance can be used.

Most of the sewer maintenance requirements are fulfilled through Ultra 600 inspection chambers; however, where the entry of man is essentially required, Supreme Ultra manholes can be used. These readymade, ready to use manholes offered by the company consists of a base, a shaft and a cone with suitable cover. These strong and sturdy manholes are designed, manufactured and tested as per EN:13598 standards and are approved by MCGM.

Fields of Application:

Ultra 800, Ultra 1000 and Ultra 1200 manholes are designed to provide an easy access for inspection, cleaning and maintenance of private and public sewers up to 6 m invert depth. Supreme Ultra manholes having robust design, durability and flexibility are the best substitute to conventional concrete and masonry manhole.

Product Range:

Supreme offers an exhaustive range of manholes to meet the complete requirement of the sewerage system. Recently introduced 800 mm size manhole is offered in single piece design, while the 1000 mm and 1200 mm size manholes are offered in single piece as well as in three piece designs. Depending on the size or type of Ultra manhole they are suitable to adopt the pipes from 110 mm to 600 mm sizes. Plain PVC or PE pipes can be directly connected to the manholes using rubber seal joints whereas; DWC pipes can be connected using DWC adopters.

The three piece designs of the manholes have a manhole base,



shaft pipe and cone. The complete set of manhole with an inbuilt ladder and the advanced design of corrugated shaft and cone with spacious entrance suffice all the functional requirements.

Moreover, because of the compact and robust design, wide range, additional connection possibilities, appropriate cover solution, and user friendly installation, the contractors and installers can be sure of a tight and durable system for every situation.

FEATURES AND BENEFITS

Readymade solution - Ready to use manholes with 600 / 640 mm size spacious entrance.

90% lighter than concrete manholes - that makes the handling and installation of manholes very easy and fast.

Robust design - Manholes are sufficiently strong to withstand heavy traffic loads up to 40 MT wheel load.

100% Watertight structure - free from infiltration, ex-filtration and root penetrations..

Perfect hydraulic properties

Suitable for installation depths up to 6 m.

Safe against floatation

Provided with in-built ladder to facilitate easy maintenance and cleaning.

Adjustable height to suit site requirement during installation.

Simple and reliable pipe connections at different levels are possible using 'in-situ' adapters.

Strong and durable - can last for more than 50 years.

Eco- friendly and cost effective.

Ultra[®] Single Piece Manholes

In most of the projects, the invert depth of the manhole is normally does not exceed 3 m. For such applications, the use of a three piece manhole may not be cost effective. Considering this fact we have introduced a lightweight yet strong manhole in single piece design in 800 mm, 1000 mm and 1200 mm sizes. In spite of being light in weight, these uniquely designed cost effective products are strong enough to withstand all sorts of loads alike existing three piece design manholes. This new design is very cost-effective due to weight reduction and the elimination of rubber seals between the base, shaft, and cone. Moreover, the single piece design together with lightweight structure makes the installation convenient and fast.

Ultra[®] 800

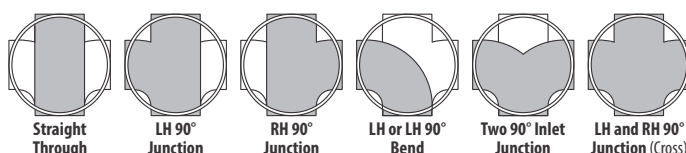
Item Code Size in mm

Ultra 800 x 160 to 400 mm

| | |
|--------------|-------------|
| RLUMHSP801BK | 1150mm Inv. |
| RLUMHSP802BK | 1450mm Inv. |
| RLUMHSP804BK | 1750mm Inv. |
| RLUMHSP806BK | 2150mm Inv. |
| RLUMHSP810BK | 2450mm Inv. |
| RLUMHSP809BK | 2750mm Inv. |

Note: Plain PVC or PE pipes can be directly connected to the base using rubber seal joints whereas DWC pipes up to 315 mm can be connected using DWC adopters and rubber seal joints. For 400 mm size inlet(s)/outlet the base will be supplied with integrally welded DWC adopters.

Possible flow configurations -



Ultra® 1000 (Corrugated Shaft)

Item Code Size mm

Ultra 1000 x 250 x 250

1330mm Inv.
1630mm Inv.
2030mm Inv.
2330mm Inv.

Ultra 1000 x 315 x 315

RLUMHST100BK 1200mm Inv.
RLUMHST101BK 1500mm Inv.
1700mm Inv.
RLUMHST104BK 2000mm Inv.
2200mm Inv.



Ultra Manhole Single Piece
Straight Through

Ultra 1000 x 315 x 250

1320mm Inv.
1620mm Inv.
1820mm Inv.
2120mm Inv.
2320mm Inv.



Ultra Manhole Single Piece
LH & RH 45° Junction

Ultra® 1000 (Non-Corrugated Shaft)

Item Code Size mm

Ultra 1000 x 250 x 250

2530mm Inv.
2830mm Inv.
3130mm Inv.
3430mm Inv.

Ultra 1000 x 315 x 315

RLUMSS1004BK 2400mm Inv.
RLUMSS1005BK 2700mm Inv.
RLUMSS1006BK 3000mm Inv.
RLUMSS1007BK 3300mm Inv.

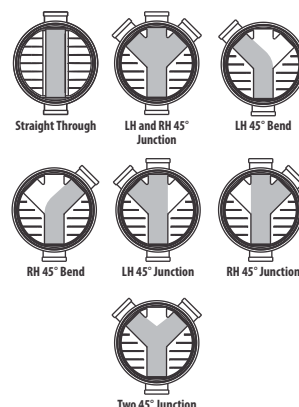


Ultra Manhole Single Piece
Straight Through

Ultra 1000 x 315 x 250

2520mm Inv.
2820mm Inv.
3120mm Inv.
3420mm Inv.

Possible flow configurations -



Ultra Manhole Single Piece
LH & RH 45° Junction

Ultra® 1000 (Corrugated Shaft)

Ultra 1000 x 160 to 400

1555mm Inv.
1755mm Inv.
2055mm Inv.
2355mm Inv.
2555mm Inv.



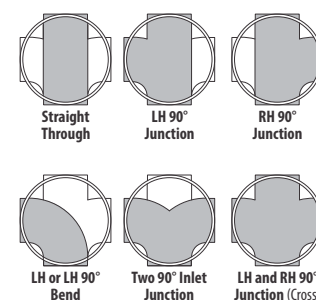
Note: Plain PVC or PE pipes can be directly connected to the base using rubber seal joints whereas DWC pipes up to 315 mm can be connected using DWC adopters and rubber seal joints. For 400 mm and above inlet(s)/outlet the base will be supplied with integrally welded DWC adopters.

Ultra® 1000 (Non-Corrugated Shaft)

Ultra 1000 x 160 to 400

2755mm Inv.
3055mm Inv.
3355mm Inv.
3655mm Inv.

Possible flow configurations -



Ultra® 1200 (Corrugated Shaft)

| Item Code | Size mm |
|-----------|---------|
|-----------|---------|

Ultra 1200 x 160 to 400

| |
|-------------|
| 1555mm Inv. |
| 2450mm Inv. |
| 2685mm Inv. |
| 2800mm Inv. |
| 3030mm Inv. |

Note: Plain PVC or PE pipes can be directly connected to the base using rubber seal joints whereas DWC pipes up to 315 mm can be connected using DWC adopters and rubber seal joints. For 400 mm and above inlet(s)/outlet the base will be supplied with integrally welded DWC adopters.



Ultra® Three Piece Manholes

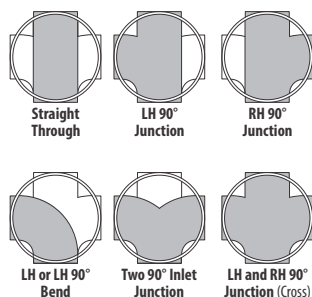
In a three piece design of the manhole, base, shaft and cone are the separate components that are connected with each other on site using specially designed rubber seals. The shafts are available in 1.0 m or smaller lengths which are required to be connected as per the invert depth requirements up to 6 m. In this design, Installation and backfilling needs to be carried out simultaneously.

Ultra® 1200

Ultra 1200 x 160 to 600

| |
|-------------|
| 1160mm Inv. |
| 1500mm Inv. |
| 1985mm Inv. |

Possible flow configurations -



Ultra® Blind Base - Single Piece Manholes

In addition to the different standard flow profiles of the manhole base, we also offer a blind base i.e. the base with outlet only but without any inlets. These blind bases are made available in 600 mm and 1000 mm sizes and are designed to offer non-standard flow configuration requirements. These manholes are supplied with the required or specified inlets welded on the base in customized form i.e. inlets at required angle to adopt any type or size of pipes like PVC/ PE plain pipes or the DWC pipes. These manholes are offered with base, shaft pipe and cone in integral form as single piece design or alternatively manhole base, shaft pipe(s) and cone separately to connect with each other on site as three piece design.

Ultra® 1000 (Corrugated Shaft)

Ultra 1000 x 110 to 355

| |
|-------------|
| 1290mm Inv. |
| 1590mm Inv. |
| 1790mm Inv. |
| 2090mm Inv. |
| 2290mm Inv. |

Note: It is supplied in customized form with required inlet(s) fitted on the base to adopt PVC/PE or DWC pipes at any angle up to 355 mm sizes as per the project requirements.



Ultra® 1000 (Non-Corrugated Shaft)

| Item Code | Size mm |
|-----------|---------|
|-----------|---------|

Ultra 1000 x 110 to 355

| |
|-------------|
| 2490mm Inv. |
| 2790mm Inv. |
| 3090mm Inv. |
| 3390mm Inv. |

Note: It is supplied in customized form with required inlet(s) fitted on the base to adopt PVC/PE or DWC pipes at any angle up to 355 mm sizes as per the project requirements.



Chambers and Accessories

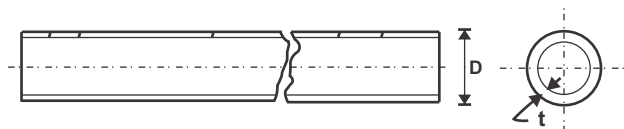
| Item Code | Chamber Base | D1 | D2 | D3 | | Item Code | Size mm | Socket Type | |
|---|--------------|-------------|-----|-----|---|--|--------------------------|-------------|---|
| RLUMHL1000BK | 1000 | 250 | 250 | |  Straight Through | RLUSHP1211BK | 520mm long | |  Shaft pipe Ultra 1200 Manhole |
| RLUMHL1002BK | 1000 | 315 | 315 | | | RLUSHP1218BK | 635mm long | | |
| RLUMHL1200BK | 1200 | 315 | 315 | | | RLUSHP1216BK | 770mm long | | |
| | | | | | | RLUSHP1214BK | 865mm long | | |
| | | | | | | RLUSHP1206BK | 1000mm long | | |
| | | | | | | RLUSHP1215BK | 1115mm long | | |
| | | | | | | RLUSHP1217BK | 1345mm long | | |
| RLUMHL1001BK | #1000 | 315 | 250 | 250 |  LH & RH 45° Junction | RLUCON1000BK | 1000x600 - 630 Inv. | S |  Cone for Manhole |
| RLUMHL1201BK | 1200 | 315 | 315 | 315 | | RLUCON1003BK | 1000x600 - 900 Inv. | S | |
| Note: # In 1000mm size this base is also made available with integral shaft of 800 and 1100mm lengths with 1355 and 1655mm invert depths. | | | | | | RLUCON1200BK | 1200x600 - 735 Inv. | S | |
| | | | | | | RLUCON1203BK | 1200x600 - 1000 Inv. | S | |
| RLUMHL1006BK | 1000 | 315 | 250 | 250 |  Two 45° Junction | RLUCCE0600BK | 600x300 | |  Cone Extension Piece |
| RLUMHL1204BK | 1200 | 315 | 315 | 315 | | | *600x100 | | |
| | | | | | | | *600x200 | | |
| | | | | | | | *600x300 | | |
| RLUMHL1005BK | 1000 | 315 | 250 | |  RH 45° Junction | 1602454 | 110 | |  Rubber Seal (Manhole) |
| RLUMHL1202BK | 1200 | 315 | 315 | | | 1602455 | 160 | | |
| | | | | | | 1602458 | 200 | | |
| | | | | | | 1607390 | 250 | | |
| | | | | | | 1607662 | 315 | | |
| | | | | | | 1607705 | 400 | | |
| RLUMHL1004BK | 1000 | 315 | 250 | |  LH 45° Junction | 4100566 | 75 | |  Hole Saw |
| RLUMHL1203BK | 1200 | 315 | 315 | | | 4100412 | 110 | | |
| | | | | | | 4100517 | 160 | | |
| | | | | | | 4100411 | 200 | | |
| RLUMHL1003BK (RH) | 1000 | 315 | 250 | |  LH or RH 45° Bend | RLUCFC0600BK | 1000/600L.W. | |  Cover |
| RLUMHL1007BK (LH) | 1000 | 315 | 250 | | | | | | |
| RLUMHL1205BK (RH) | 1200 | 315 | 315 | | | | | |  GRP Frame & Cover |
| RLUMHL1206BK (LH) | 1200 | 315 | 315 | | | | | | |
| RLUBB01000BK | 1000 | 200/250/315 | | |  Ultra 1000 Blind Base | 4126154 | 800/1000/1200 (5 Ton) | |  GRFRC Frame & Cover |
| | | | | | | 4126155 | 800/1000/1200 (12.5 Ton) | | |
| | | | | | | 4100315 | 1000/1200 (20 Ton) | | |
| | | | | | | 4100316 | 1000/1200 (40 Ton) | | |
| | | | | | | Note: Covers with grating are also available | | | |
| RLUSHP1018BK | 500mm long | | | |  Shaft pipe Ultra 1000 Manhole | 4129024 | 800/1000/1200 (20 Ton) | |  GRFRC Frame & Cover |
| RLUSHP1000BK | 600mm long | | | | | 4129025 | 800/1000/1200 (40 Ton) | | |
| RLUSHP1001BK | 800mm long | | | | | | | | |
| RLUSHP1002BK | 1000mm long | | | | | | | | |
| RLUSHP1003BK | 1100mm long | | | | | 4100416 | 1000/1200 (20 Ton) | | |
| RLUSHP1004BK | 1300mm long | | | | | Note: Covers with grating are also available | | | |

All the inlets and outlets of the chambers are provided with clicking type joints. D1 = Main inlet/outlet, D2/D3 = Branch inlet(s), F - Fabricated. # - This product is available with integral shaft with 1000mm length. *Marked product will be shortly introduced

Nu-Drain uPVC Pipes



Nu-Drain pipes are made as per IS:15328 and marked with ISI mark. These pipes are available in different stiffness classes as given in the table below. In addition to the pipes in 110mm to 315mm sizes with rubber ring type sockets, pipes up to 200mm sizes are available with solvent weld type socket ends. Plain ended pipes upto 250mm are supplied with a separate couplers having unique click ring and rubber-seal design. Only 400mm size pipes are supplied with plain end and solvent weld type couplers. The pipes are available in 3m and 6m lengths.



Dimensions and stiffness class of Nu-Drain Pipes as per IS:15328

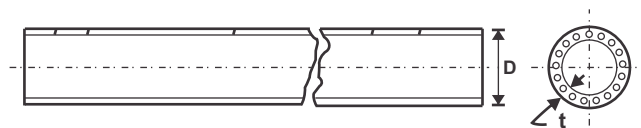
| Nominal ring stiffness (KN/m ²) | SN 2 | SN 4 | SN 8 |
|---|--------------------------|-----------|------------|
| SDR | 51 | 41 | 34 |
| OD (D) in mm | Wall thickness (t) in mm | | |
| 110 | - | - | 3.2 + 0.5 |
| 125 | - | 3.2 + 0.5 | 3.2 + 0.7 |
| 160 | 3.2 + 0.5 | 4.0 + 0.6 | 4.7 + 0.7 |
| 200 | 3.9 + 0.6 | 4.9 + 0.7 | 5.9 + 0.8 |
| 250 | 4.9 + 0.7 | 6.2 + 0.8 | 7.3 + 1.0 |
| 315 | 6.2 + 0.8 | 7.7 + 1.0 | 9.2 + 1.2 |
| 400 | 7.9 + 1.0 | 9.8 + 1.2 | 11.7 + 1.4 |



ECO-drain® Hi-tech pipes for drainage and sewerage application

Eco-drain® pipes are not solid wall pipes but have a unique wall structure i.e. pipes with a number of "holes" in the wall thickness in longitudinal direction. As a result, the Eco-drain® pipes are noticeably lighter and less expensive than any existing PVC pipe of similar stiffness and many times lighter than a concrete pipe with equivalent load carrying capacity. Because of the numerous advantages, these pipes are widely accepted and used in several European countries. Pipes upto

400mm sizes are available with plain ends as well as socketed ends with elastomeric rubber rings. These pipes have a equivalent stiffness and flexibility alike solid wall plastic pipes and also conforms to international standards. Depending on the size these pipes offers a weight reduction from 10% to 35% in comparison with the solid wall pipes of similar stiffness class.



Dimensions and stiffness class of Eco-drain Pipes as per IS:16098 (Part 1)

| Pipe size OD (D) in mm | Pipe ring stiffness (KN/m ²) | | | | | |
|------------------------------|--|------|-------|-------|-------|-------|
| | SN 2 | | SN 4 | | SN 8 | |
| | Wall thickness (t) in mm | | | | | |
| | Min | Max | Min | Max | Min | Max |
| 110 | -- | -- | -- | -- | 3.50 | 4.10 |
| 160 | -- | -- | 4.30 | 4.90 | 5.10 | 5.90 |
| 200 | -- | -- | 5.60 | 6.50 | 6.30 | 7.20 |
| 250 | -- | -- | 6.50 | 7.50 | 7.90 | 9.10 |
| 315 | 6.60 | 7.60 | 8.00 | 9.20 | 9.80 | 11.30 |
| 400 | 8.50 | 9.80 | 10.60 | 12.20 | 12.00 | 13.80 |

Eco-drain 110 and 160mm size SN 4 pipes in 3 and 6m lengths are supplied with sealed holes at the ends.

Foam core pipes



In addition to the solid wall pipes and Eco-drain® structure wall pipes, we have recently introduced foam core pipes in 110 to 315 mm sizes. These pipe are supplied with socketed ends. The dimensions are given below.

Dimensions and stiffness class of Foam Core Pipes

| Nominal ring stiffness (KN/m ²) | SN 2 | SN 4 | SN 8 |
|---|---------------------|------------|------------|
| OD (mm) | Wall thickness (mm) | | |
| 110 | - | - | 3.20 + 0.5 |
| 160 | 3.40 + 0.5 | 4.20 + 0.6 | 5.00 + 0.7 |
| 200 | 4.10 + 0.6 | 5.10 + 0.7 | 6.30 + 0.8 |
| *250 | 5.10 + 0.7 | 6.40 + 0.8 | 7.50 + 1.0 |
| *315 | 6.50 + 0.8 | 8.00 + 1.0 | 9.50 + 1.2 |

* Marked sizes will be shortly introduced.

Supreme Ultra PLUS® Double Wall Corrugated Pipes

THE SYSTEM

Supreme Ultra plus Double Wall Corrugated (DWC) pipes are stronger than solid wall pipes of the same wall thickness. These pipes have a unique wall structure with a corrugated structure externally and a smooth surface internally. This specific structure gives the pipes a unique combination of stiffness and flexibility to sustain soil and traffic loads, while the smooth inner surface allows uninterrupted flow without any blockage. These pipes are manufactured using state of the art technology that offers multiple benefits, especially they are much lighter than any conventional pipes and even lighter than the solid wall plastic (PVC, HDPE or PP) pipes. This remarkable material property gives these pipes an edge over many other pipes in terms of handling and installation.

Supreme Ultra plus DWC Pipe offers multiple features like a smooth inner surface for better flow characteristics, high flexibility, superior strength to weight ratio, and the highest ability to support and distribute live and dead loads thereby meeting every installation condition. Moreover, these pipes perform exceptionally well in high and low cover situations.

All pipes are supplied in plain ends with separate couplers while the pipes from 300 to 800 mm sizes are also offered with integral sockets.

FEATURES AND BENEFITS

Great flexibility - Being light in weight and elastic nature, these pipes offer lot of flexibility while installation as they are adaptable to any type of contour patterns.

Excellent stiffness - Suitable to withstand heavy overload pressure (soil and traffic loads) and sustain various loads that will encounter during installation and in use.

Perfect hydraulic properties - Glass smooth inner surface having manning's coefficient 0.009 – 0.010 (which remain constant without any deterioration during life expectancy) helps in rapid disposal of flowing waste. Such a smooth surface greatly reduces the possibility of blockages and maximizes the flow characteristics and therefore carrying capacity increases by @ 40% over concrete pipes.

Excellent chemical, corrosion and abrasion resistance properties - Being in plastics, these pipes are free from corrosion and offer excellent resistance to wide range of chemicals. These pipes have excellent abrasion resistance which gives an edge over metal and concrete pipes.

Watertight joints - Joints are 100% watertight and hence free from any infiltration, ex-filtration and root penetration. Due to this feature, surroundings remain unaffected and possibility of soil or underground water pollution is eliminated.

Easy and quick installation - Due to longer lengths and lighter weight pipes, installation becomes very convenient and fast. These pipes are very easy to joint using slip-on techniques (Pipes are supplied either with integrally welded couplers or separate couplers). Unlike conventional concrete or metallic pipes, these pipes do not require any heavy handling equipment for installation due to their light weight property. These pipes can be easily laid in constrained areas thereby saving additional extraneous costs.

Maintenance free – Being free from scaling, encrustation and chemical re-activeness there is no need of any regular maintenance. Occasional flushing with water keeps the surface smooth and helps in enhancing the functionality.

Long life - Being free from corrosion, chemical reactivity and excellent abrasion resistance these pipes can last over a century.

Cost effective - 60 to 70% weight saving in comparison to solid wall plastic pipes and 95% lighter than concrete pipes makes these pipe much cost effective.

Eco-friendly - Processing and reprocessing of these pipes does not have any adverse impact on the environment, watertight joints the possibility of soil and underground water pollution.

Applications

Supreme Ultra plus DWC pipes can be used for varied application as mentioned below:-

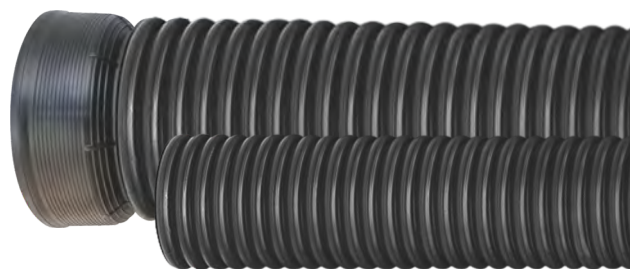
- Underground drainage and sewer application
- Disposal of industrial effluents
- Storm water drainage
- Rainwater harvesting and ground water recharge
- Road/highway cross drainage

These applications are very few and the PE DWC pipes are finding new usages almost regularly and adding further benefits to this superior technological marvel at a very fast pace.

Adapter for DWC pipes

The specially designed adapters manufactured by the Company are required for connecting double wall corrugated pipes with the inspection chambers or manholes and/or to connect R/R or pasted type socketed PVC pipes with the DWC pipes.

PIPES



Dimensions of DWC Pipes as per IS:16098 (Part 2)

| Nominal size DN/ID series (mm) | Approx ID (mm) | Approx OD (mm) |
|--------------------------------|----------------|----------------|
| 75 | 75.0 | 90.0 |
| 100 | 98.0 | 116.0 |
| 135 | 131.0 | 156.0 |
| 150 | 148.5 | 172.5 |
| 170 | 166.0 | 198.0 |
| 200 | 197.4 | 230.5 |
| 250 | 248.5 | 289.0 |
| 300 | 300.0 | 350.0 |
| 400 | 395.2 | 465.0 |
| 500 | 496.7 | 577.0 |
| 600 | 594.6 | 685.0 |
| 800 | 787.0 | 925.0 |

DWC pipes are available in SN 4 and SN 8 stiffness class

FITTINGS

| Item Code | Size mm | Socket Type | Box qty. | |
|---------------|---------|-------------|----------|--|
| DWCFC000100K | *75 | SxS | |  Coupler (with Rubber Ring) |
| DWCFC000135K | 100 | SxS | | |
| DWCFC000150K | 135 | SxS | | |
| DWCFC000170K | 150 | SxS | | |
| DWCFC000200K | 170 | SxS | | |
| DWCFC000250K | 200 | SxS | | |
| DWCFC000300K | 250 | SxS | | |
| DWCFC000400K | 300 | SxS | | |
| DWCFC000500K | 400 | SxS | | |
| DWCFC000600K | 500 | SxS | | |
| | 600 | SxS | | |
| | *800 | SxS | | |
| RLDWCB90100BK | 100 | SxS | 12 |  Bend 90° |
| RLUDWCB150BK | 150 | SxS | 3 | |
| RLUDWCB204BK | 200 | SxS | 2 | |
| RLUDWCB250BK | 250 | SxS | 1 | |
| RLUDWCB300BK | 300 | SxS | 1 | |
| RLUDWCB152BK | 150 | SxS | 6 |  Bend 60° |
| RLUDWCB200BK | 200 | SxS | 2 | |
| RLUDWCB251BK | 250 | SxS | 1 | |
| RLDWCB45100BK | 100 | SxS | 12 |  Bend 45° |
| RLUDWCB151BK | 150 | SxS | 6 | |
| RLUDWCB201BK | 200 | SxS | 2 | |
| RLUDWCB254BK | 250 | SxS | 1 | |
| RLUDWCB301BK | 300 | SxS | 1 | |
| RLUDWCB153BK | 150 | SxS | 6 |  Bend 30° |
| RLUDWCB205BK | 200 | SxS | 3 | |
| RLUDWCB253BK | 250 | SxS | 1 | |
| RLUDWCB154BK | 150 | SxS | 6 |  Bend 22.5° |
| RLUDWCB202BK | 200 | SxS | 3 | |
| RLUDWCB252BK | 250 | SxS | 1 | |
| RLUDWCB155BK | 150 | SxS | 6 |  Bend 11.25° |
| RLUDWCB203BK | 200 | SxS | 3 | |
| RLUDWCB255BK | 250 | SxS | 1 | |
| RLUDWCT100BK | 100 | SxS | 10 |  Equal Tee |
| RLUDWCT150BK | 150 | SxS | 2 | |
| RLUDWCT200BK | 200 | SxS | 2 | |
| RLUDWCT250BK | 250 | SxS | 1 | |
| RLUDWCT300BK | 300 | SxS | 1 | |

| Item Code | Size mm | Socket Type | Box qty. | |
|------------------|-----------|-------------|----------|--|
| RLUDWCE150BK | 150 | SxS | 2 |  Cross Tee |
| RLUDWCY150BK | 150 | SxS | 2 |  Single Y |
| MHDDWCADAP0160BK | 160x150 | SpgxS | |  Adapter |
| MHDDWCADAP0200BK | 200x150 | SpgxS | | |
| MHDDWCADAP0201BK | 200x200 | SpgxS | | |
| RLUDWCA250BK | 250x200 | SpgxS | 3 | |
| RLUDWCA251BK | 250x250 | SpgxS | 2 | |
| RLUDWCA315BK | 315x250 | SpgxS | 1 |  Adapter (PE) |
| RLUDWCA356BK | 315x300 | SpgxS | 1 | |
| FPU0EDA010BK | 110 x 100 | SpgxS | | |
| FPU0EDA011BK | 110 x 150 | SpgxS | | |
| FPU0EDA017BK | 160 x 100 | SpgxS | | |
| FPU0EDA018BK | 160 x 200 | SpgxS | |  Adapter (PVC) |
| FPU0EDA019BK | 160 x 250 | SpgxS | | |
| FPPU0EDA20BK | 200 x 100 | SpgxS | | |
| FPPU0EDA21BK | 200 x 150 | SpgxS | | |
| FPU0EDA401BK | 400 x 400 | SpgxS | | |
| FPP3DWC110LG | 110 x 100 | SxS | |  Rubber Seal |
| FPP3DWC162LG | 160 x 200 | SxS | | |
| FPP3DWC250LG | 250 x 300 | SxS | | |
| FPP3DWC315LG | 315 x 200 | SxS | | |
| 1605072 | 75 | | | |
| 1603303 | 100 | | |  Jointing Fixture |
| 1603304 | 135 | | | |
| 1603305 | 150 | | | |
| 1603306 | 170 | | | |
| 1600817 | 200 | | | |
| 1603307 | 250 | | | |
| 1603308 | 300 | | | |
| 1600819 | 400 | | | |
| 1600818 | 500 | | | |
| 1603309 | 600 | | | |
| 1604677 | 800 | | | |
| 1604304 | 200 | | | |
| 1604305 | 250 | | | |
| 1604306 | 300 | | | |
| 1604307 | 400 | | | |
| 1604308 | 500 | | | |
| 1604309 | 600 | | | |
| | *800 | | | |

* Marked products will be shortly introduced.

PE PIPES

HDPE pipes are also available in 63 to 630mm in PN 2.5 to PN 16 pressure classes. These pipes are manufactured as per IS:14333-1996 and are available in 6m length. The pipes are joined either by click ring type fittings or by butt welding making them absolutely watertight. These pipes are most useful in an undulating terrain.

Dimensions of HDPE Pipe - PE 63 as per IS:14333-1996

| Dia | PN 2.5 | | PN 4 | | PN 6 | | PN 8 | | PN 10 | | PN 12.5 | | PN 16 | |
|-----|--------|------|------|------|------|------|------|------|-------|------|---------|------|-------|------|
| DN | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| 63 | - | - | 4.0 | 4.6 | 5.8 | 6.7 | 7.5 | 8.5 | 9.0 | 10.1 | 10.9 | 12.2 | 13.3 | 14.9 |
| 75 | 3.0 | 3.5 | 1.7 | 5.4 | 6.9 | 7.8 | 8.9 | 10.0 | 10.8 | 12.1 | 13.0 | 14.5 | 15.8 | 17.6 |
| 90 | 3.6 | 4.2 | 5.7 | 6.5 | 8.2 | 9.3 | 10.6 | 11.9 | 12.9 | 14.4 | 15.6 | 17.4 | 19.0 | 21.1 |
| 110 | 4.4 | 5.1 | 6.9 | 7.8 | 10.0 | 11.2 | 13.0 | 14.5 | 15.8 | 17.6 | 19.0 | 21.1 | 23.2 | 25.8 |
| 125 | 5.0 | 5.7 | 7.9 | 8.9 | 11.4 | 12.8 | 14.8 | 16.5 | 17.9 | 19.9 | 21.6 | 24.0 | 26.4 | 29.3 |
| 140 | 5.6 | 6.4 | 8.8 | 9.9 | 12.8 | 14.3 | 16.5 | 18.4 | 20.0 | 22.2 | 24.0 | 26.4 | 29.5 | 32.7 |
| 160 | 6.4 | 7.3 | 10.0 | 11.2 | 14.6 | 16.3 | 18.9 | 21.0 | 22.9 | 25.4 | 27.6 | 30.6 | 33.7 | 37.3 |
| 180 | 7.2 | 8.2 | 11.3 | 12.7 | 16.4 | 18.3 | 21.2 | 23.6 | 25.8 | 28.6 | 31.1 | 34.5 | 37.9 | 41.9 |
| 200 | 8.0 | 9.0 | 12.5 | 14.0 | 18.3 | 20.3 | 23.6 | 26.2 | 28.6 | 31.7 | 34.5 | 38.2 | 45.2 | 46.7 |
| 225 | 9.0 | 10.1 | 14.1 | 15.8 | 20.5 | 22.8 | 26.5 | 29.4 | 32.2 | 35.7 | 38.8 | 42.9 | 47.4 | 52.4 |
| 250 | 10.0 | 11.2 | 15.7 | 17.5 | 22.8 | 25.3 | 29.5 | 32.7 | 35.8 | 39.6 | 43.2 | 47.8 | 52.7 | 58.2 |
| 280 | 11.2 | 12.6 | 17.5 | 19.5 | 25.5 | 28.3 | 33.0 | 36.5 | 40.0 | 44.2 | 48.3 | 53.4 | - | - |
| 315 | 12.6 | 14.1 | 19.7 | 21.9 | 28.7 | 31.8 | 37.1 | 41.1 | 45.0 | 49.7 | 54.4 | 60.1 | - | - |
| 355 | 14.2 | 15.9 | 22.2 | 24.7 | 32.3 | 35.8 | 41.8 | 46.2 | 50.8 | 56.1 | - | - | - | - |
| 400 | 16.0 | 18.6 | 25.0 | 29.0 | 36.4 | 42.1 | 47.1 | 54.4 | 57.2 | 66.0 | - | - | - | - |
| 450 | 18.0 | 20.9 | 28.2 | 32.7 | 41.0 | 47.4 | 53.0 | 61.2 | - | - | - | - | - | - |
| 500 | 20.0 | 23.2 | 31.3 | 36.2 | 45.5 | 52.6 | - | - | - | - | - | - | - | - |
| 560 | 22.4 | 26.0 | 35.0 | 40.5 | 51.0 | 58.9 | - | - | - | - | - | - | - | - |
| 630 | 25.2 | 29.2 | 39.4 | 45.6 | 57.3 | 66.1 | - | - | - | - | - | - | - | - |

Dimensions of HDPE Pipe - PE 80 as per IS:14333-1996

| Dia | PN 2.5 | | PN 4 | | PN 6 | | PN 8 | | PN 10 | | PN 12.5 | | PN 16 | |
|-----|--------|------|------|------|------|------|------|------|-------|------|---------|------|-------|------|
| DN | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| 63 | - | - | 3.0 | 3.5 | 4.4 | 5.1 | 5.8 | 6.6 | 7.0 | 7.9 | 8.6 | 9.7 | 10.5 | 11.8 |
| 75 | 2.3 | 2.8 | 3.6 | 4.2 | 5.3 | 6.1 | 6.9 | 7.8 | 8.4 | 9.5 | 10.2 | 11.5 | 12.5 | 14.0 |
| 90 | 2.8 | 3.3 | 4.3 | 5.0 | 6.3 | 7.8 | 8.2 | 9.3 | 10.0 | 11.2 | 12.2 | 13.7 | 15.0 | 16.7 |
| 110 | 3.4 | 1.0 | 5.3 | 6.1 | 7.7 | 8.7 | 10.0 | 11.2 | 12.3 | 13.8 | 14.9 | 16.6 | 18.4 | 20.5 |
| 125 | 3.8 | 1.4 | 6.0 | 6.8 | 8.8 | 9.9 | 11.4 | 12.8 | 13.9 | 15.5 | 16.9 | 18.8 | 20.9 | 23.2 |
| 140 | 4.3 | 5.0 | 6.7 | 7.6 | 9.8 | 11.0 | 12.8 | 14.3 | 15.6 | 17.4 | 19.0 | 21.1 | 23.4 | 26.0 |
| 160 | 4.9 | 5.6 | 7.7 | 8.7 | 11.2 | 12.6 | 14.6 | 16.3 | 17.8 | 19.8 | 21.7 | 24.1 | 26.7 | 29.6 |
| 180 | 5.5 | 6.3 | 8.6 | 9.7 | 12.6 | 14.1 | 16.4 | 18.3 | 20.0 | 22.2 | 24.1 | 27.1 | 30.1 | 33.2 |
| 200 | 6.1 | 7.0 | 9.6 | 10.8 | 14.0 | 15.6 | 18.2 | 20.3 | 22.3 | 24.8 | 27.1 | 30.1 | 33.4 | 37.0 |
| 225 | 6.9 | 7.8 | 10.8 | 12.1 | 15.7 | 17.5 | 20.5 | 22.8 | 25.0 | 27.7 | 30.5 | 33.8 | 37.8 | 41.5 |
| 250 | 7.6 | 8.6 | 12.0 | 13.4 | 17.5 | 19.5 | 22.8 | 25.3 | 28.7 | 30.8 | 33.8 | 37.4 | 41.7 | 46.1 |
| 280 | 8.5 | 9.6 | 13.4 | 15.0 | 19.6 | 21.8 | 25.5 | 28.3 | 31.2 | 34.6 | 37.9 | 41.9 | 46.7 | 51.6 |
| 315 | 9.6 | 10.8 | 15.0 | 16.7 | 22.7 | 24.4 | 28.7 | 31.8 | 35.0 | 38.7 | 42.6 | 47.1 | 52.5 | 58.0 |
| 355 | 10.8 | 12.1 | 17.0 | 18.9 | 24.8 | 27.5 | 32.3 | 35.8 | 39.5 | 43.7 | 48.0 | 53.0 | 59.2 | 65.4 |
| 400 | 12.2 | 14.3 | 19.1 | 22.2 | 28.0 | 32.4 | 36.4 | 42.1 | 44.5 | 51.4 | 54.1 | 62.5 | - | - |
| 450 | 13.7 | 16.0 | 21.5 | 25.0 | 31.4 | 36.4 | 41.0 | 47.4 | 50.0 | 57.7 | - | - | - | - |
| 500 | 15.2 | 17.7 | 23.9 | 27.7 | 34.9 | 40.4 | 45.5 | 52.6 | 55.6 | 64.2 | - | - | - | - |
| 560 | 17.0 | 19.8 | 26.7 | 31.0 | 39.1 | 45.2 | 51.0 | 58.9 | - | - | - | - | - | - |
| 630 | 19.1 | 22.2 | 30.0 | 34.7 | 44.0 | 50.8 | 57.3 | 66.1 | - | - | - | - | - | - |
| 710 | 21.6 | 25.1 | 33.9 | 39.2 | 49.2 | 57.3 | - | - | - | - | - | - | - | - |
| 800 | 24.3 | 28.2 | 38.1 | 44.1 | 55.9 | 64.5 | - | - | - | - | - | - | - | - |

Dimensions of HDPE Pipe - PE 100 as per IS:14333-1996

| Dia | PN 6 | | PN 8 | | PN 10 | | PN 12.5 | | PN 16 | |
|-----|------|------|------|------|-------|------|---------|------|-------|------|
| DN | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| 63 | 3.6 | 4.2 | 4.7 | 5.4 | 5.8 | 6.6 | 7.0 | 7.9 | 8.7 | 9.8 |
| 75 | 4.3 | 5.0 | 5.6 | 6.4 | 6.9 | 7.8 | 8.4 | 9.5 | 10.4 | 11.7 |
| 90 | 5.1 | 5.9 | 6.7 | 7.6 | 8.2 | 9.3 | 10.0 | 11.2 | 12.5 | 14.0 |
| 110 | 6.3 | 7.2 | 8.2 | 9.3 | 10.0 | 11.2 | 12.3 | 13.8 | 15.2 | 17.0 |
| 125 | 7.1 | 8.1 | 9.3 | 10.5 | 11.4 | 12.8 | 13.9 | 15.5 | 17.3 | 19.3 |
| 140 | 8.0 | 9.0 | 10.4 | 11.7 | 12.8 | 14.3 | 15.6 | 17.4 | 19.4 | 21.6 |
| 160 | 9.1 | 10.3 | 11.9 | 13.3 | 14.6 | 16.3 | 17.8 | 19.8 | 22.1 | 24.6 |
| 180 | 10.2 | 11.5 | 13.4 | 15.0 | 16.4 | 18.3 | 20.0 | 22.2 | 24.9 | 27.6 |
| 200 | 11.4 | 12.8 | 14.9 | 16.6 | 18.2 | 20.3 | 22.3 | 24.8 | 27.6 | 30.6 |
| 225 | 12.8 | 14.3 | 16.7 | 18.6 | 20.5 | 22.8 | 25.0 | 27.7 | 31.4 | 34.5 |
| 250 | 14.2 | 15.9 | 18.6 | 20.7 | 22.8 | 25.3 | 27.8 | 30.8 | 34.5 | 38.2 |
| 280 | 15.9 | 17.7 | 20.8 | 23.1 | 25.5 | 28.3 | 31.2 | 34.6 | 38.7 | 42.8 |
| 315 | 17.9 | 19.9 | 23.4 | 26.0 | 28.7 | 31.8 | 35.0 | 38.7 | 43.5 | 48.1 |
| 355 | 20.1 | 22.4 | 26.3 | 29.2 | 32.3 | 35.8 | 39.5 | 43.7 | 49.0 | 54.1 |
| 400 | 22.7 | 26.4 | 29.7 | 34.4 | 36.4 | 42.1 | 44.5 | 51.4 | 55.2 | 63.7 |
| 450 | 25.5 | 29.6 | 33.4 | 38.7 | 41.0 | 47.4 | 50.0 | 57.7 | - | - |
| 500 | 28.4 | 32.9 | 37.1 | 42.9 | 45.5 | 52.6 | 55.6 | 64.2 | - | - |
| 560 | 31.7 | 36.7 | 41.5 | 48.0 | 51.0 | 58.9 | - | - | - | - |
| 630 | 35.7 | 41.3 | 46.7 | 54.0 | 57.3 | 68.1 | - | - | - | - |
| 710 | 40.2 | 46.5 | 52.6 | 60.7 | - | - | - | - | - | - |
| 800 | 45.3 | 52.3 | - | - | - | - | - | - | - | - |

Gratings for Covering Surface Drains

Grating for surface drain is one more useful product offered by the company. Concrete or cast iron Gratings that are being used presently are associated with several problems such as heavy weight and corrosion making them difficult to handle, install and are expensive. The gratings in plastics are free from the aforesaid problems and in fact, have several more advantages that make the product a superior choice for surface drain covers.

Advantages

- Light weight, easy to handle and store.
- Tough and durable.
- Ease of installation.
- Environment friendly.
- Versatile.
- Less prone to thefts.
- Excellent corrosion and chemical resistance.
- Cost effective.
- Superior substitute to CI and concrete gratings.

Fields of Applications

The Supreme gratings offer the correct solution for surface drains, in various applications like pavements, road side curbs, cycle paths, car-parks, school yards, play grounds, shopping malls, storage yards, sports grounds, building terraces and balconies, side drains in building complexes and several other applications.

Strength of Grating

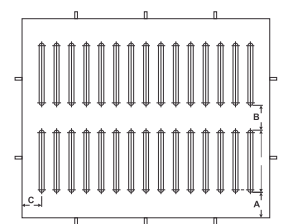
Gratings are designed for parking and light traffic movements with designed wheel load of 1.5 MT.

Range

Gratings are available in standard lengths of 500 and 600mm and in widths of 150, 200, 375 and 400mm.

Dimension details

| Size (mm) (+5.0, -0.0) | Dimension | | | No of slots | Thickness (mm) |
|---------------------------|-----------|-----|----|-------------|----------------|
| | A | B | C | | |
| 500 x 150 | 30 | 90 | 40 | 15 | 15 |
| 500 x 200 | 50 | 100 | 40 | 15 | 15 |
| 500 x 375 | 30 | 65 | 40 | 15 | 15 |
| 500 x 400 | 45 | 60 | 40 | 15 | 15 |
| 600 x 150 | 30 | 90 | 45 | 18 | 15 |
| 600 x 200 | 50 | 100 | 45 | 18 | 15 |
| 600 x 375 | 30 | 65 | 45 | 18 | 15 |
| 600 x 400 | 45 | 60 | 45 | 18 | 15 |



THE SYSTEM

The Supreme Safeguard® septic tanks are designed to provide a better substitute to existing conventional brick and mortar septic tanks or tanks made out of Hume pipes. Conventional septic tanks are associated with multiple problems of corrosion and leakages thereby polluting soil and ground water. Besides cumbersome and time consuming construction and repeated maintenance requirements, the life span of these concrete tanks is short and uncertain. On the other hand, Supreme Safeguard® septic tanks are free from the above problems and offer many outstanding features.

Product Range

We offer septic tanks in different sizes ranging from 1000 to 29,500 ltrs capacity. Septic tanks up to 3000 ltrs are available in vertical design which has two separate integral compartment for proper settlement & decomposition of solid waste whereas, the septic tanks above 5500 ltrs capacity have modular horizontal design. Different modular units can be connected with each other for increased capacity up to 29,500 ltrs.

FEATURES AND BENEFITS

Rotationally moulded, one-piece construction - Supreme Safeguard® septic tanks are manufactured by rotational moulding process which produces a one piece, seamless, watertight and strong product.

Unique design - Safeguard® septic tanks have unique patented design which allows vertical settlement of the solids and are found to be much more efficient than conventionally built septic tanks.

Great strength - Robust design with unique rib structure provides superior structural integrity to the tank to meet various loading and handling requirements.

Simple and quick Installation - Safeguard® ready to use septic tanks are light in weight making the installation very simple and quick. Minimum requirement of excavation further saves

lot of time, energy and costs. Installation of these tanks can be carried out even by unskilled workers with little training. Any Safeguard® septic tank can be transported to the job site in a pickup van and needs just two people to carry.

Excellent chemical resistance - Unlike conventional tanks, polyethylene is unaffected by soil chemicals and the chemicals and gases present in sewage. Therefore Supreme Safeguard® septic tanks do not rust or corrode and require no additional coatings. Safeguard® septic tanks are absolutely safe against ill effects of hydrogen sulphide (H₂S), a common problem with masonry or concrete septic tanks or the ones made from Hume pipes. Manufactured under strict quality guidelines, Safeguard® ensures an environmentally safe septic system.

Hygienic and safe - It is 100% watertight and hence guarantees against leakages preventing soil and ground water pollution.

Minimal maintenance required for these tanks saves time and costs.

Long life - expected to last 50 years i.e. the life time of a building.

Ready to install complete pre-plumbed set - Safeguard® tanks are supplied as a complete set with necessary accessories like inlet and outlet connections, rodding eye, extension piece, cover and watertight seals on all joints. Thus, the tank that you receive is ready for installation.

Other features of Supreme Safeguard® septic tanks -

- Free from corrosion and subsequent infiltration and ex-filtration problems.
- No root penetration.
- Minimum space requirement – Being available in ready to use form, these tanks can be installed in minimum space with minimum excavation.
- Can be relocated.
- Eco-friendly.



Product Range

| Item Code | Size in ltrs. |
|-----------|---------------|
|-----------|---------------|

Septic Tank - Vertical

| | |
|--------------|------|
| RLSVST1000IB | 1000 |
| RLSVST1500IB | 1500 |
| RLSVST2002IB | 2000 |
| RLSVST3000IB | 3000 |

| | |
|------------------------|------|
| RLSVST1001IB | 1000 |
| RLSVST1501IB | 1500 |
| RLSVST2003IB | 2000 |
| RLSVST3001IB | 3000 |
| (with extension piece) | |



Septic Tank - Modular

| | |
|--------------|---|
| RLSMST5500IB | 5500 (Stand alone) |
| RLSMST9500IB | 9500 (Domed end 4750 ltrs x 2 nos.) |
| RLSMST1350IB | 13500 (Domed end 4750 ltrs x 2 nos. + Inner 4000 ltrs x 1 no.) |
| RLSMST1750IB | 17500 (Domed end 4750 ltrs x 2 nos. + Inner 4000 ltrs x 2 nos.) |
| RLSMST2150IB | 21500 (Domed end 4750 ltrs x 2 nos. + Inner 4000 ltrs x 3 nos.) |
| RLSMST2550IB | 25500 (Domed end 4750 ltrs x 2 nos. + Inner 4000 ltrs x 4 nos.) |
| RLSMST2950IB | 29500 (Domed end 4750 ltrs x 2 nos. + Inner 4000 ltrs x 5 nos.) |



Extension Piece

| Item Code | Size (mm) |
|--------------|------------|
| RLSEXT0500BK | 500 (long) |
| RLSEXT0300BK | 300 (long) |
| RLSEXT0150BK | 150 (long) |



Cover

| Item Code | Size (mm) |
|---------------------------------|-----------|
| RLSCOV0500BK (Vertical Tank) | 500 |
| RLSCOV0600BK (Modular Tank) | 600 |



Rubber Seal

| | |
|---------|-----|
| - | 50 |
| - | 75 |
| 1602454 | 110 |
| 1602455 | 160 |
| 1602458 | 200 |



Note: Rubber Seal and Hole Saw can be used for Amrutam Underground Water Tanks.

Hole Saw

| | |
|---------|-----|
| 4100410 | 50 |
| 4100566 | 75 |
| 4100412 | 110 |
| 4100517 | 160 |
| 4100411 | 200 |



THE SYSTEM

STP is a facility to treat waste water collected from the households, colonies, townships or cities. Wastewater contains contaminants that include bacteria, organic chemicals and other toxins. STP aims at reducing these contaminants to the acceptable level. Micro-organisms convert the polluted water, sewage, waste etc. into the clean or clear water. STP improves the quality of water and makes it safe for disposal or discharge back into the environment or the treated water can also be reused for the purpose of gardening, irrigation, flushing etc. depending on the degree of treatments involved.

Safeguard Packaged STP's - Design Objectives

- Achieve the desired results on a consistent and sustained basis
- Lasts for at least 10-15 years without major maintenance or repairs
- Achieve the desired treated water quality in minimum cost
- Facilitate user-friendly installation
- Easy operation and maintenance

Applications

- | | |
|--|------------------------|
| • Residential and Commercial Complexes | • Industries |
| • Public Gardens and National Parks | • Domestic waste water |
| • Hotels and Resorts | • Hospitals |
| • Restaurants | • Temples |
| • Institutions | • Government Offices |
| | • Labour Quarters |
| | • Townships |

Product Range

We offer packaged sewage treatment plants in different sizes ranging from 1 KLD to 30 KLD capacities as given below

| Sr. No. | Model | Capacity (KLD) |
|---------|----------|----------------|
| 1 | SPSTP-5 | 1 to 5 |
| 2 | SPSTP-10 | 6 to 10 |
| 3 | SPSTP-15 | 11 to 15 |
| 4 | SPSTP-20 | 16 to 20 |
| 5 | SPSTP-25 | 21 to 25 |
| 6 | SPSTP-30 | 26 to 30 |

Note: Project specific STP designs will be provided especially for the sizes over 30 KLD capacities.



FEATURES AND BENEFITS

- Intelligent combination of anaerobic and aerobic treatment
- Excellent effluent quality - Meets SPCB/CPCB requirements
- Excellent treatment efficiency and energy efficient
- Hygienic and safe operation
- Free from leakages, breakages and blockages
- No root penetration and fungal growth
- Rust proof
- Minimal sludge generation
- 70% reduction in O & M cost compared to conventional STP's
- Compact space saving design
- Minimum intervention with self-sustainability
- Availability with a design option for underground or above the ground installation or its combination.
- Available from 5 to 100 KLD capacities
- No chemical dosing
- Simple, quick and user friendly installation
- Aesthetic view and noise free working
- PLC based automatic operation
- Fully automatic operation - no need of skilled supervision

After successfully introducing 'Nu-Drain underground drainage system' and 'Safegard ready-made septic tanks', we are pleased to introduce yet another innovative and useful product i.e. mobile '**Ready-made Toilet Blocks and Urinals**'. These products are introduced under the brand name "Cleanage®". The modular toilet blocks having European WC is provided with overhead water tank and flushing arrangement. Modular toilet blocks can be installed in a series with minimum space requirement. These superior products offer multiple advantages and are in line with central Govt's initiatives to provide sanitation for all and will certainly enhance the quality of life by improving the quality of sanitation across the country.

FEATURES AND BENEFITS

- Can be installed and put to use without any loss of time
- Complete in all respects with required traps, plumbing accessories and electrical connections
- Light weight yet strong and sturdy
- Easy and quick installation
- Elegant look
- Easy to clean and maintain
- Long life

Fields of Applications

- Rural sanitation
- Constructions sites
- Schools and hospitals
- Public places in municipal areas
- Sporting events
- Different events and religious gatherings like Kumbh melas, fairs (yatras) etc.
- Military camps
- Park and gardens

Technical Specifications

Overall dimensions

Ready-made toilet block : 2450 (H) x 1080 (W) x 930 (B)

Modular toilet block :

- Single unit : 2644 (H) x 970 (W) x 957 (L)
- Modular in series : 2644 (H) x 970 (W) x (No. of toilets x 957) (L)

Size of outlet : 110 mm (for toilet block)
75 mm (for ladies urinal)

(All dimensions are in mm)



Product Range

Item Code

RLSPCTB001CR



Toilet Block (Indian)

RLSPCTT001CR



Toilet Top

Indian Base

RLSMTBLU01PB

(W/O tank) - 1Unit

RLSMTBLU02PB

(With tank) - 1Unit

RLSMTBLU03PB

(W/O tank) - 2Units

RLSMTBLU04PB

(With tank) - 2Units

European Base

RLSMTBLU05PB

(W/O tank) - 1Unit

RLSMTBLU06PB

(With tank) - 1Unit



Modular Toilet Block

RLSMBBLU01PB

(With tank) - 1Unit



Bathroom

Item Code

RLSPCLU001MP



Ladies Urinal Block

RLSPCTS001DG



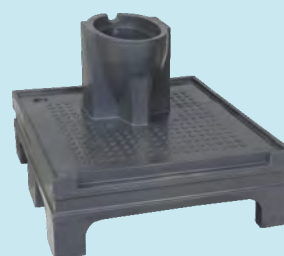
Toilet Base (Indian)

RLSMTEB000WH

(White)

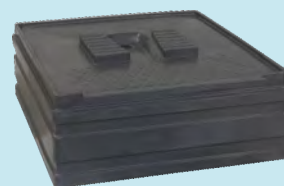
RLSMTEB000TG

(Gray)



Toilet Base (European)

RLSPLUB001DG



Ladies Urinal Base



After successfully introducing many innovative and value added products like Nu-drain underground drainage system, Safegard readymade septic tanks and readymade toilet blocks, we are pleased to introduce Cleanage readymade men's urinals, an innovative and useful product to promote hygiene at public places. This superior product equipped with multiple features and is in line with central Govt's initiatives to provide sanitation for all and will certainly enhance the quality of sanitation across the country.

FEATURES AND BENEFITS

- Readymade structure with in-built accessories
- Compact and user friendly
- In-built flushing mechanism
- Can be immediately commissioned
- Easy and fast installation
- Minimal maintenance
- Cost effective
- Long life

Applications

- Public places in rural and municipal areas
- Construction sites
- Schools and hospitals
- Sport events
- Different events and religious gatherings like kumbh melas, fairs (yatras) etc.
- Military camps
- Park and gardens

Technical Specifications

| | |
|--------------------|-------------------------------------|
| Material | : Polyethylene |
| Overall dimensions | : 2975 (H) x 1180 (W) x 1180 (L) mm |
| Size of outlet | : 75 mm |



Product Range

Item Code

RLMAU000000SB
(Blue)

RLMAU000000OG
(O Green)

THE SYSTEM

Supreme CableGUARD Double Wall Corrugated (DWC) cable duct pipes have a unique wall structure with corrugated structure externally and smooth surface internally. This specific structure ensures a wonderful combination of lowest inner friction, higher flexibility and superior strength to weight ratio. The corrugated structure on the external surface of the pipes provides highest ability to support and distribute live and dead loads, thereby meeting requirements of every installation. These pipes are designed for exceptional performance to sustain soil and traffic loads, that the pipes may encounter in service under buried condition in high and low cover situation. Excellent crush strength, bending radius and superior pulling ability makes Supreme CableGUARD pipes an ideal choice for cable ducting.

FEATURES AND BENEFITS

Excellent stiffness – Suitable to withstand heavy overload and high impacts.

Great flexibility - Being light in weight and elastic in nature, these pipes are easy to transport and install.

Mirror smooth inner surface – Easy insertion and pulling of cables.

Excellent chemical, corrosion and abrasion resistance properties.

Anti-Rodent property - To safeguard against rodent infestation.

No flame propagating property - For protection against flame propagation

Watertight joints and moisture proof

Maintenance free

Long life

Cost effective - High strength to weight ratio, longer life expectancy and higher structural integrity makes these pipes cost effective.

Easy and quick installation- Due to longer lengths and lighter weight of pipes, installation becomes very convenient and fast.

Eco-friendly

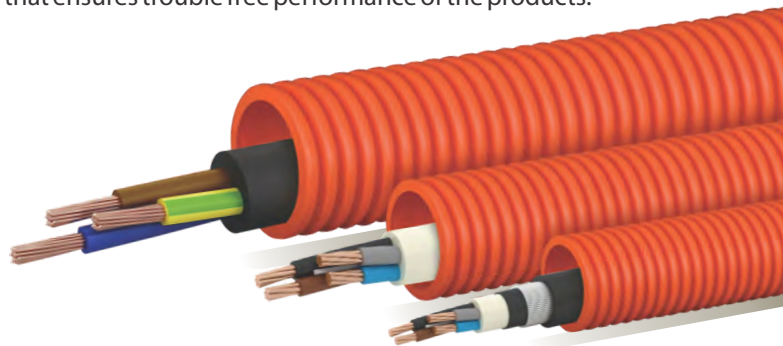
Applications

- Power cables in distribution network
- Telecom and optical fiber network
- Casing for signaling cables in Railways and Airports
- Solar power cable protection
- Street light cables
- Level crossings and platforms in Highways, Over bridge, Flyovers and Tunnels
- Protection for plumbing pipes
- CCTV cables

Product Range

Manufactured using state-of-the-art technology, conforming to the IS:16205 Part 24 standard, the Supreme CableGUARD pipes and fittings are offered in 40 to 120 mm sizes in type 450 (450 N).

We are equipped to carry out all stringent tests as per the standard. This helps us to maintain superior unmatched quality that ensures trouble free performance of the products.



Pipes

Dimension Chart

| Size | Outer Diameter | | Inner Diameter |
|------|----------------|-------|-----------------|
| | Min | Max | |
| 40 | 40.0 | 40.8 | 31.5 (min. 30) |
| 50 | 50.0 | 51.0 | 39.3 (min. 37) |
| 63 | 63.0 | 64.2 | 50.5 (min. 47) |
| 75 | 75.0 | 76.4 | 59.8 (min. 56) |
| 90 | 90.0 | 91.7 | 74.9 (min. 67) |
| 120 | 120.0 | 122.2 | 103.5 (min. 90) |

(all dimensions are in mm)

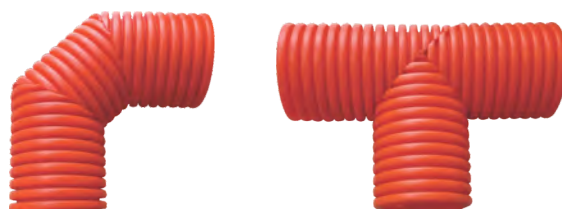
Standard Lengths

| Outer Diameter (mm) | Pipe Length (m) | Coil Length (m) |
|---------------------|-----------------|-----------------|
| 40 | 6 | 50 and 100 |
| 50 | 6 | 50 and 100 |
| 63 | 6 | 50 and 100 |
| 75 | 6 | 50 and 100 |
| 90 | 6 | 50 |
| 120 | 6 | 50 |

Note : Presently, we offer these pipes in orange color; however, the pipes can also be made available in other colors based on the requirement from the market.

Fittings

Presently 90° Bend and Equal Tee in 40, 50, 63, 75, 90 and 120mm sizes are made available.



THE SYSTEM

Supreme offers an exhaustive range of uPVC pressure pipes and fittings. Pressure pipes are manufactured as per IS:4985-2000 standards and are made available in 20 to 450mm sizes in different pressure classes. Pipes with both types of joints i.e. solvent cement type and elastomeric rubber seal type are available. Varieties of moulded fittings and wide range of handmade fittings are also available to offer complete system solution. Moulded fittings are manufactured as per IS:7834 and fabricated fittings are manufactured as per IS:10124 and company standards. These pipes and fittings are used for a variety of applications like irrigation, water supply, industrial process lines, swimming pools, firefighting mains etc. These pipes are superior to CI, DI or RCC pipes as they are light in weight, easy and quick to install, have excellent corrosion and chemical resistance, higher flow rates, longer life and economy. These pipes have the approval of MJP.



FEATURES AND BENEFITS

Strong and reliable - Supreme uPVC Pressure pipes and fittings are manufactured using best quality virgin raw material and state of the art equipments and hence they are very strong, durable and reliable.

Odorless and hygienic - These pipes are an excellent choice for carrying potable water as they do not allow contamination.

High corrosion resistance - Being immune to chemical, electrolytic and galvanic action, these pipes are free from corrosion which ensures a much longer and useful life.

High chemical resistance - Pipes offer excellent resistance to acids, oxidizing agents, alkalis, oils and domestic effluents.

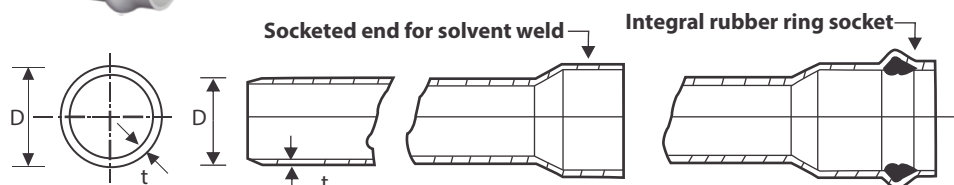
Smooth bore - Pipes have a mirror smooth inner surface and hence better flow characteristics in comparison to AC, CI & GI pipes. This helps to reduce friction losses and pumping costs.

Self extinguishing quality - This feature eliminates the need for fire resistant coatings.

Maintenance free - Corrosion resistance property of the PVC pipes eliminates the need for repeated painting or coating like in the case of GI pipes.

Economical - Despite being superior to conventional pipes, Supreme PVC pipes are very light in weight and last much longer than older piping systems offering a great economy in handling, transportation, installation and replacement.

PIPES



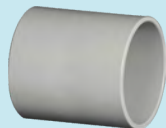
Dimensions of uPVC Pressure Pipes as per IS:4985-2021

| Nominal outside diameter (D) | Tolerance on outside diameter | Wall thickness (t) mm | | | | | | | | | | | | | |
|------------------------------|-------------------------------|-------------------------------------|-----|-----------------------------------|------|-----------------------------------|------|-----------------------------------|------|------------------------------------|------|--------------------------------------|------|----------------|-----|
| | | Class 1(PN) 2.5 kgf/cm ² | | Class 2(PN) 4 kgf/cm ² | | Class 3(PN) 6 kgf/cm ² | | Class 4(PN) 8 kgf/cm ² | | Class 5(PN) 10 kgf/cm ² | | Class 6(PN) 12.5 kgf/cm ² | | Plumbing pipes | |
| | | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| 20 | + 0.3 | - | - | - | - | - | - | - | - | 1.1 | 1.5 | 1.4 | 1.8 | 2.8 | 3.3 |
| 25 | + 0.3 | - | - | - | - | - | - | 1.2 | 1.6 | 1.4 | 1.8 | 1.7 | 2.1 | 2.9 | 3.4 |
| 32 | + 0.3 | - | - | - | - | - | - | 1.5 | 1.9 | 1.8 | 2.2 | 2.2 | 2.7 | 3.4 | 3.9 |
| 40 | + 0.3 | - | - | - | - | 1.4 | 1.8 | 1.8 | 2.2 | 2.2 | 2.7 | 2.8 | 3.3 | 3.6 | 4.2 |
| 50 | + 0.3 | - | - | - | - | 1.7 | 2.1 | 2.3 | 2.8 | 2.8 | 3.3 | 3.4 | 4.0 | 3.7 | 4.3 |
| 63 | + 0.3 | - | - | 1.5 | 1.9 | 2.2 | 2.7 | 2.8 | 3.3 | 3.5 | 4.1 | 4.3 | 5.0 | | |
| 75 | + 0.3 | - | - | 1.8 | 2.2 | 2.6 | 3.1 | 3.4 | 4.0 | 4.2 | 4.9 | 5.1 | 5.9 | | |
| 90 | + 0.3 | 1.3 | 1.7 | 2.1 | 2.6 | 3.1 | 3.7 | 4.0 | 4.6 | 5.0 | 5.7 | 6.1 | 7.1 | | |
| 110 | + 0.4 | 1.6 | 2.0 | 2.5 | 3.0 | 3.7 | 4.3 | 4.9 | 5.6 | 6.1 | 7.1 | 7.5 | 8.7 | | |
| 125 | + 0.4 | - | - | 2.9 | 3.4 | 4.3 | 5.0 | - | - | - | - | - | - | | |
| 140 | + 0.5 | 2.0 | 2.4 | 3.2 | 3.8 | 4.8 | 5.5 | 6.3 | 7.3 | 7.7 | 8.9 | 9.5 | 11.0 | | |
| 160 | + 0.5 | 2.3 | 2.8 | 3.7 | 4.3 | 5.4 | 6.2 | 7.2 | 8.3 | 8.8 | 10.2 | 10.9 | 12.6 | | |
| 180 | + 0.6 | 2.6 | 3.1 | 4.2 | 4.9 | 6.1 | 7.1 | 8.0 | 9.2 | 9.9 | 11.4 | 12.2 | 14.1 | | |
| 200 | + 0.6 | 2.9 | 3.4 | 4.6 | 5.3 | 6.8 | 7.9 | 8.9 | 10.3 | 11.0 | 12.7 | 13.6 | 15.7 | | |
| 225 | + 0.7 | 3.3 | 3.9 | 5.2 | 6.0 | 7.6 | 8.8 | 10.0 | 11.5 | 12.4 | 14.3 | 15.3 | 17.6 | | |
| 250 | + 0.8 | 3.6 | 4.2 | 5.7 | 6.5 | 8.5 | 9.8 | 11.2 | 12.9 | 13.8 | 15.9 | 17.0 | 19.6 | | |
| 280 | + 0.9 | 4.1 | 4.8 | 6.4 | 7.4 | 9.5 | 11.0 | 12.5 | 14.4 | 15.4 | 17.8 | - | - | | |
| 315 | + 1.0 | 4.6 | 5.3 | 7.2 | 8.3 | 10.7 | 12.4 | 14.0 | 16.1 | 17.3 | 19.9 | - | - | | |
| 355 | + 1.1 | 5.1 | 5.9 | 8.1 | 9.4 | 12.0 | 13.8 | 15.8 | 18.2 | - | - | - | - | | |
| 400 | + 1.2 | 5.8 | 6.7 | 9.1 | 10.5 | 13.5 | 15.6 | - | - | - | - | - | - | | |
| 450 | + 1.4 | 6.5 | 7.5 | 10.3 | 11.9 | 15.2 | 17.5 | - | - | - | - | - | - | | |

Note: 1) Pipes are offered in Light Grey (LG) and/or Dark Grey (DG) colours in standard lengths of 6m. Pipes are offered plain or socketed, based on diameter and class of pipe. 2) Ringtight pipes with integral rubber ring socket (Elastomeric joint) are available from 63mm to 315mm in 4, 6 and 10 kgf/cm² pressure class. 3) Prefix "PN" indicates Nominal Pressure, i.e., working pressure.

FITTINGS

| Item Code | Size in mm | Pressure Class (kgf/cm ²) | Box qty. |
|--------------|------------|---------------------------------------|----------|
| MP1A1CPL063L | 63 | 1 | 335 |
| MP1A1CPL075L | 75 | 1 | 200 |
| MP1A1CPL090L | 90 | 1 | 100 |
| MP1A1CPL110L | 110 | 1 | 60 |
| MP1A3CPL050L | 50 | 3 | 130 |
| MP1A3CPL140L | 140 | 3 | 24 |
| MP1A4CPL063L | 63 | 4 | 90 |
| MP1A4CPL075L | 75 | 4 | 68 |
| MP1A4CPL090L | 90 | 4 | 34 |
| MP1A4CPL110L | 110 | 4 | 21 |
| MP1A4CPL140L | 140 | 4 | 20 |
| MP1A4CPL160L | 160 | 4 | 16 |
| MP1A4CPL180L | 180 | 4 | 10 |
| MP1A4CPL200L | 200 | 4 | 6 |
| MP1A6CPL040L | 40 | 6 | 190 |
| MP1A6CPL050L | 50 | 6 | 160 |
| MP1A6CPL063L | 63 | 6 | 200 |
| MP1A6CPL075L | 75 | 6 | 60 |
| MP1A6CPL090L | 90 | 6 | 24 |
| MP1A6CPL110L | 110 | 6 | 48 |
| MP1A6CPL140L | 140 | 6 | 18 |
| MP1A6CPL160L | 160 | 6 | 16 |
| MP1A6CPL200L | 200 | 6 | 6 |
| MP1A6CPL250L | 250 | 6 | 2 |
| MP1ATCPL020L | 20 | 10 | 800 |
| MP1ATCPL025L | 25 | 10 | 500 |
| MP1ATCPL032L | 32 | 10 | 300 |
| MP1ATCPL040L | 40 | 10 | 175 |
| MP1ATCPL050L | 50 | 10 | 100 |
| MP1ATCPL063L | 63 | 10 | 80 |
| MP1ATCPL075L | 75 | 10 | 50 |
| MP1ATCPL090L | 90 | 10 | 24 |
| MP1ATCPL110L | 110 | 10 | 18 |
| MP1ATCPL160L | 160 | 10 | 5 |
| MP1ASCPL020D | 20 | 16 | 500 |
| MP1ASCPL025D | 25 | 16 | 300 |
| MP1ASCPL032D | 32 | 16 | 200 |
| MP1ASCPL040D | 40 | 16 | 170 |
| MP1ASCPL050D | 50 | 16 | 150 |
| MP1ASCPL063D | 63 | 16 | 90 |
| MP1ASCPL075D | 75 | 16 | 52 |
| MP1ASCPL090D | 90 | 16 | 27 |
| MP1ASCPL110D | 110 | 16 | 18 |
| MP1A1ELB063L | 63 | 1 | 165 |
| MP1A1ELB075L | 75 | 1 | 100 |
| MP1A1ELB090L | 90 | 1 | 55 |
| MP1A1ELB110L | 110 | 1 | 30 |
| MP1A2ELB063L | 63 | 2 | 150 |
| MP1A2ELB075L | 75 | 2 | 90 |
| MP1A2ELB090L | 90 | 2 | 50 |
| MP1A2ELB110L | 110 | 2 | 28 |
| MP1A3ELB020L | 20 | 3 | 600 |
| MP1A3ELB025L | 25 | 3 | 300 |
| MP1A3ELB032L | 32 | 3 | 200 |
| MP1ANELB040L | 40 | 3 | 200 |
| MP1ANELB050L | 50 | 3 | 250 |
| MP1ANELB063L | 63 | 3 | 120 |
| MP1ANELB075L | 75 | 3 | 75 |
| MP1ANELB090L | 90 | 3 | 45 |
| MP1ANELB110L | 110 | 3 | 25 |
| MP1A3ELB160L | 160 | 3 | 8 |
| MP1A4ELB050L | 50 | 4 | 95 |
| MP1A4ELB063L | 63 | 4 | 50 |
| MP1A4ELB075L | 75 | 4 | 30 |
| MP1A4ELB090L | 90 | 4 | 40 |
| MP1A4ELB111L | 110 | 4 | 24 |
| MP1A4ELB140L | 140 | 4 | 7 |



Coupler



Elbow 90°

| Item Code | Size in mm | Pressure Class (kgf/cm ²) | Box qty. |
|--------------|------------|---------------------------------------|----------|
| MP1A4ELB160L | 160 | 4 | 5 |
| MP1A4ELB200L | 200 | 4 | 3 |
| MP1A4ELB315L | 315 | 4 | 1 |
| MP1A6ELB040L | 40 | 6 | 110 |
| MP1A6ELB050L | 50 | 6 | 90 |
| MP1A6ELB063L | 63 | 6 | 50 |
| MP1A6ELB075L | 75 | 6 | 30 |
| MP1A6ELB090L | 90 | 6 | 38 |
| MP1A6ELB110L | 110 | 6 | 20 |
| MP1A6ELB140L | 140 | 6 | 12 |
| MP1A6ELB160L | 160 | 6 | 7 |
| MP1A6ELB180L | 180 | 6 | 5 |
| MP1A6ELB200L | 200 | 6 | 3 |
| FPP3SB9225LG | 225(F) | 6 | L |
| MP1A6ELB250L | 250 | 6 | 2 |
| MP1ATELB020L | 20 | 10 | 600 |
| MP1ATELB025L | 25 | 10 | 300 |
| MP1ATELB032L | 32 | 10 | 200 |
| MP1ATELB040L | 40 | 10 | 110 |
| MP1ATELB050L | 50 | 10 | 65 |
| MP1ATELB063L | 63 | 10 | 50 |
| MP1ATELB075L | 75 | 10 | 28 |
| MP1ATELB090L | 90 | 10 | 15 |
| MP1ATELB110L | 110 | 10 | 10 |
| MP1ATELB160L | 160 | 10 | 3 |
| MP1A8ELB025L | 25 | 12.5 | 350 |
| MP1ASELB020D | 20 | 16 | 400 |
| MP1ASELB025D | 25 | 16 | 400 |
| MP1ASELB032D | 32 | 16 | 180 |
| MP1ASELB040D | 40 | 16 | 140 |
| MP1ASELB050D | 50 | 16 | 85 |
| MP1ASELB063D | 63 | 16 | 45 |
| MP1ASELB075D | 75 | 16 | 30 |
| MP1ASELB090D | 90 | 16 | 16 |
| MP1ASELB110D | 110 | 16 | 8 |
| MP1A6SSB040L | 40 | 6 | 100 |
| MP1A6SSB050L | 50 | 6 | 55 |
| MP1A6SSB063L | 63 | 6 | 45 |
| MP1A6SSB075L | 75 | 6 | 28 |
| MP1A6SSB090L | 90 | 6 | 15 |
| MP1A8SSB025L | 25 | 12.5 | 300 |
| MP1A8SSB032L | 32 | 12.5 | 160 |
| MP1A4REB090L | 90x63 | 4 | 30 |
| MP1A4REA110L | 110x90 | 4 | 12 |
| MP1A4REB160L | 160x110 | 4 | 10 |
| MP1A6REA075L | 75x63 | 6 | 30 |
| MP1A6REB090L | 90x50 | 6 | 25 |
| MP1A6REB091L | 90x63 | 6 | 30 |
| MP1A6REA090L | 90x75 | 6 | 22 |
| MP1A6REC110L | 110x63 | 6 | 15 |
| MP1A6REB110L | 110x75 | 6 | 18 |
| MP1A6REA110L | 110x90 | 6 | 12 |
| MP1ATREA025L | 25x20 | 10 | 400 |
| MP1ATREB032L | 32x20 | 10 | 250 |
| MP1ATREA032L | 32x25 | 10 | 250 |
| MP1A4BDF040L | 40 | 4 | 150 |
| MP1A4BDF075L | 75 | 4 | 40 |
| MP1A4BDF090L | 90 | 4 | 22 |
| MP1A4BDF110L | 110 | 4 | 30 |
| MP1A4BDF140L | 140 | 4 | 16 |
| MP1A4BDF160L | 160 | 4 | 10 |
| MP1A4BDF200L | 200 | 4 | 4 |
| MP1A6BDF040L | 40 | 6 | 150 |
| MP1A6BDF050L | 50 | 6 | 125 |
| MP1A6BDF063L | 63 | 6 | 65 |
| MP1A6BDF075L | 75 | 6 | 40 |



Elbow 90°



Short Swept Bend













Reducing Elbow




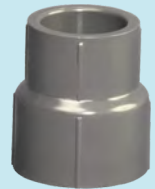

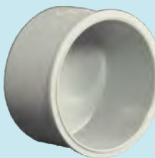
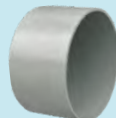

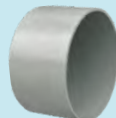

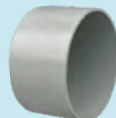



Elbow 45°



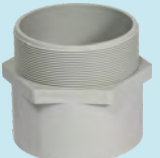








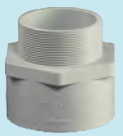
1) Fittings are offered in Light Grey (LG) and Dark Grey (DG) colours. All the fittings shown in dark grey colour are in PN 16 pressure class. 2) Prefix "PN" indicates Nominal pressure, i.e., working pressure. 3) 1, 2 and 3 kgf/cm² pressure class economical fittings are also available under the brand name of "Smart", "Sufala L.W." and "Sufala" respectively. F - Fabricated.

| Item Code | Size in mm | Pressure Class (kgf/cm ²) | Box qty. | | Item Code | Size in mm | Pressure Class (kgf/cm ²) | Box qty. | |
|--------------|------------|---------------------------------------|----------|---|---------------|------------|---------------------------------------|----------|---|
| MP1A6BDF090L | 90 | 6 | 20 |  | MP1ASTEEO20D | 20 | 16 | 300 |  |
| MP1A6BDF110L | 110 | 6 | 30 | | MP1ASTEEO25D | 25 | 16 | 225 | |
| MP1A6BDF160L | 160 | 6 | 3 | | MP1ASTEEO32D | 32 | 16 | 150 | |
| MP1A6BDF200L | 200 | 6 | 2 | | MP1ASTEEO40D | 40 | 16 | 110 | |
| MP1A6BDF250L | 250 | 6 | 1 | | MP1ASTEEO50D | 50 | 16 | 64 | |
| MP1ATBDF020L | 20 | 10 | 600 | | MP1ASTEEO63D | 63 | 16 | 30 |  |
| MP1ATBDF025L | 25 | 10 | 400 | | MP1ASTEEO75D | 75 | 16 | 20 | |
| MP1ATBDF032L | 32 | 10 | 250 | | MP1ASTEEO90D | 90 | 16 | 12 | |
| MP1ASBDF020D | 20 | 16 | 450 | | MP1ASTEEO110D | 110 | 16 | 7 | |
| MP1ASBDF025D | 25 | 16 | 300 | | MP1A6CRT063L | 63 | 6 | 60 | |
| MP1ASBDF032D | 32 | 16 | 250 | | MP1A6CRT075L | 75 | 6 | 35 |  |
| MP1ASBDF040D | 40 | 16 | 175 | | MP1A6CRT090L | 90 | 6 | 21 | |
| MP1ASBDF050D | 50 | 16 | 90 | | MP1A6CRT110L | 110 | 6 | 12 | |
| MP1ASBDF063D | 63 | 16 | 60 | | MP1ATCRT025L | 25 | 10 | 200 | |
| MP1ASBDF075D | 75 | 16 | 32 | | MP1ATCRT032L | 32 | 10 | 100 | |
| MP1ASBDF090D | 90 | 16 | 21 | | MP1A4CTF063L | 63x20 | 4 | 35 |  |
| MP1ASBDF110D | 110 | 16 | 12 | | MP1A4CTE063L | 63x25 | 4 | 35 | |
| MP1A1TEE063L | 63 | 1 | 105 |  | MP1A4CTC063L | 63x32 | 4 | 30 | |
| MP1A1TEE075L | 75 | 1 | 65 | | MP1A4CTE075L | 75x25 | 4 | 24 | |
| MP1A1TEE090L | 90 | 1 | 40 | | MP1A4CTD075L | 75x32 | 4 | 25 | |
| MP1A1TEE110L | 110 | 1 | 22 | | MP1A6CTC040L | 40x20 | 6 | 80 | |
| MP1A2TEE063L | 63 | 2 | 95 | | MP1A6CTB063L | 63x40 | 6 | 25 |  |
| MP1A2TEE075L | 75 | 2 | 55 | | | *40x32 | 6 | | |
| MP1A2TEE090L | 90 | 2 | 40 | | | *75x40 | 6 | | |
| MP1A2TEE110L | 110 | 2 | 20 | | MP1A4RTA075L | 75x63 | 4 | 50 | |
| MP1ANTEEO20L | 20 | 3 | 500 | | MP1A4RTB091L | 90x63 | 4 | 34 |  |
| MP1A3TEE025L | 25 | 3 | 200 | | MP1A4RTA090L | 90x75 | 4 | 30 | |
| MP1ANTEEO32L | 32 | 3 | 100 | | MP1A4RTB110L | 110x75 | 4 | 22 | |
| MP1A3TEE040L | 40 | 3 | 125 | | MP1A4RTA110L | 110x90 | 4 | 20 | |
| MP1ANTEEO50L | 50 | 3 | 165 | | MP1A4RTD160L | 160x75 | 4 | 7 | |
| MP1ANTEEO63L | 63 | 3 | 80 | | MP1A4RTB160L | 160x110 | 4 | 6 | |
| MP1ANTEEO75L | 75 | 3 | 45 | | MP1A6RTC040L | 40x20 | 6 | 100 | |
| MP1ANTEEO90L | 90 | 3 | 30 | | MP1A6RTB050L | 50x32 | 6 | 60 | |
| MP1ANTEE110L | 110 | 3 | 18 | | MP1A6RTE063L | 63x20 | 6 | 32 | |
| MP1ANTEE160L | 160 | 3 | 7 | | MP1A6RTB063L | 63x40 | 6 | 30 | |
| MP1A4TEE050L | 50 | 4 | 60 | | MP1A6RTA063L | 63x50 | 6 | 28 | |
| MP1A4TEE063L | 63 | 4 | 24 | | MP1A6RTC075L | 75x40 | 6 | 24 | |
| MP1A4TEE075L | 75 | 4 | 48 | | MP1A6RTB075L | 75x50 | 6 | 24 | |
| MP1A4TEE090L | 90 | 4 | 25 | | MP1A6RTA075L | 75x63 | 6 | 24 | |
| MP1A4TEE110L | 110 | 4 | 18 | | MP1A6RTB090L | 90x63 | 6 | 15 | |
| MP1A4TEE140L | 140 | 4 | 8 | | MP1A6RTA090L | 90x75 | 6 | 36 | |
| MP1A4TEE160L | 160 | 4 | 5 | | MP1A6RTD110L | 110x50 | 6 | 10 | |
| MP1A4TEE200L | 200 | 4 | 2 | | MP1A6RTC110L | 110x63 | 6 | 10 | |
| MP1A4TEE315L | 315 | 4 | 1 | | MP1A6RTB110L | 110x75 | 6 | 20 | |
| MP1A6TEE040L | 40 | 6 | 110 | | MP1A6RTA110L | 110x90 | 6 | 18 | |
| MP1A6TEE050L | 50 | 6 | 60 | | MP1A6RTA140L | 140x110 | 6 | 8 | |
| MP1A6TEE063L | 63 | 6 | 24 | | MP1A6RTB160L | 160x110 | 6 | 7 | |
| MP1A6TEE075L | 75 | 6 | 20 | | MP1A6RTA160L | 160x140 | 6 | 5 | |
| MP1A6TEE090L | 90 | 6 | 12 | | MP1A6RTD200L | 200x110 | 6 | 4 | |
| MP1A6TEE110L | 110 | 6 | 15 | | MP1A6RTB200L | 200x160 | 6 | 3 | |
| MP1A6TEE140L | 140 | 6 | 8 | | MP1ATRTA025L | 25x20 | 10 | 200 |  |
| MP1A6TEE160L | 160 | 6 | 5 | | MP1ATRTB032L | 32x20 | 10 | 150 | |
| MP1A6TEE180L | 180 | 6 | 3 | | MP1ATRTA032L | 32x25 | 10 | 150 | |
| MP1A6TEE200L | 200 | 6 | 1 | | MP1ATRTB040L | 40x25 | 10 | 100 | |
| FPP3EQT225LG | 225(F) | 6 | L | | MP1ATRTC050L | 50x25 | 10 | 65 | |
| MP1A6TEE250L | 250 | 6 | 1 | | MP1ATRTD063L | 63x25 | 10 | 32 | |
| MP1ATTEE020L | 20 | 10 | 400 | | MP1ATRTC063L | 63x32 | 10 | 32 | |
| MP1ATTEE025L | 25 | 10 | 200 | | MP1ATRTA063L | 63x50 | 10 | 28 | |
| MP1ATTEE032L | 32 | 10 | 100 | | | *75x63 | 10 | | |
| MP1ATTEE040L | 40 | 10 | 75 | | MP1ATRTA110L | 110x90 | 10 | 8 | |
| MP1ATTEE050L | 50 | 10 | 45 |  | MP1A6ETA063L | 63x75 | 6 | 30 | |
| MP1ATTEE063L | 63 | 10 | 33 | | | | | | |
| MP1ATTEE075L | 75 | 10 | 20 | | | | | | |
| MP1ATTEE090L | 90 | 10 | 12 | | | | | | |
| MP1ATTEE110L | 110 | 10 | 7 | | | | | | |
| MP1ATTEE140L | 140 | 10 | 6 | | | | | | |
| MP1ATTEE160L | 160 | 10 | 2 | | | | | | |

1) Fittings are offered in Light Grey (LG) and Dark Grey (DG) colours. All the fittings shown in dark grey colour are in PN 16 pressure class. 2) Prefix "PN" indicates Nominal pressure, i.e., working pressure. 3) 1, 2 and 3 kgf/cm² pressure class economical fittings are also available under the brand name of "Smart", "Sufala L.W." and "Sufala" respectively. F - Fabricated. * Marked size will be shortly introduced.

| Item Code | Size in mm | Pressure Class (kgf/cm ²) | Box qty. | | Item Code | Size in mm | Pressure Class (kgf/cm ²) | Box qty. | |
|--------------|------------|---------------------------------------|----------|---|--------------|------------|---------------------------------------|----------|---|
| MP1A4WYE250L | 250 | 4 | 1 |  Single Y | MP1A6RDA050L | 50x40 | 6 | 120 |  |
| MP1A6WYE063L | 63 | 6 | 60 | | MP1A6RDD063L | 63x25 | 6 | 108 | |
| MP1A6WYE075L | 75 | 6 | 16 | | MP1A6RDC063L | 63x32 | 6 | 108 | |
| MP1A6WYE090L | 90 | 6 | 8 | | MP1A6RDB063L | 63x40 | 6 | 108 | |
| MP1A6WYE110L | 110 | 6 | 5 | | MP1A6RDA063L | 63x50 | 6 | 108 | |
| MP1A6WYE140L | 140 | 6 | 6 | | MP1A6RDC075L | 75x40 | 6 | 72 | |
| MP1A6WYE160L | 160 | 6 | 4 | | MP1A6RDB075L | 75x50 | 6 | 81 | |
| MP1A6WYE200L | 200 | 6 | 1 | | MP1A6RDA075L | 75x63 | 6 | 72 | |
| MP1ATWYE110L | 110 | 10 | 5 | | MP1A6RDC090L | 90x50 | 6 | 42 | |
| MP1ATWYE140L | 140 | 10 | | | MP1A6RDB090L | 90x63 | 6 | 42 | |
| MP1ATWYE160L | 160 | 10 | 3 |  Reducing Y | MP1A6RDA090L | 90x75 | 6 | 42 |  Reducer |
| MP1A4RYD200L | 200x110 | 4 | 2 | | MP1A6RDD110L | 110x50 | 6 | 24 | |
| MP1A4RYB200L | 200x160 | 4 | 2 | | MP1A6RDC110L | 110x63 | 6 | 24 | |
| MP1A6RYC110L | 110x63 | 6 | 8 | | MP1A6RDB110L | 110x75 | 6 | 24 | |
| MP1A6RYB160L | 160x110 | 6 | 6 |  Reducing Bush | MP1A6RDA110L | 110x90 | 6 | 24 | |
| MP1A6RBA040L | 40x32 | 6 | 450 | | MP1A6RDA140L | 140x110 | 6 | 32 | |
| MP1A6RBB050L | 50x32 | 6 | 275 | | MP1A6RDD160L | 160x75 | 6 | 16 | |
| MP1A6RBA050L | 50x40 | 6 | 260 | | MP1A6RDB160L | 160x110 | 6 | 20 | |
| MP1A6RBB063L | 63x40 | 6 | 170 | | MP1A6RDC180L | 180x110 | 6 | 6 | |
| MP1A6RBA063L | 63x50 | 6 | 135 | | MP1A6RDD200L | 200x110 | 6 | 12 | |
| MP1A6RBC075L | 75x40 | 6 | 80 | | MP1A6RDB200L | 200x160 | 6 | 10 | |
| MP1A6RBB075L | 75x50 | 6 | 90 | | MP1A6RDA200L | 200x180 | 6 | 4 | |
| MP1A6RBA075L | 75x63 | 6 | 96 | | MP1A6RDA250L | 250x200 | 6 | 1 | |
| MP1A6RBC090L | 90x50 | 6 | 60 | | MP1ATRDA025L | 25x20 | 10 | 600 |  End Cap (Plain) |
| MP1A6RBB090L | 90x63 | 6 | 60 |  End Cap (Without collar) | MP1ATRDB032L | 32x20 | 10 | 400 | |
| MP1A6RBA090L | 90x75 | 6 | 54 | | MP1ATRDA032L | 32x25 | 10 | 400 | |
| MP1A6RBC110L | 110x63 | 6 | 32 | | MP1ASRDA032D | 32x25 | 16 | 250 | |
| MP1A6RBB110L | 110x75 | 6 | 32 | | MP1ASRDA040D | 40x32 | 16 | 160 | |
| MP1A6RBA110L | 110x90 | 6 | 32 | | MP1ASRDA050D | 50x40 | 16 | 90 | |
| MP1A6RBC140L | 140x75 | 6 | 16 | | MP1ASRDA063D | 63x50 | 16 | 90 | |
| MP1A6RBB140L | 140x90 | 6 | 16 | | MP1ASREA075D | 75x63 | 16 | 56 | |
| MP1A6RBA140L | 140x110 | 6 | 24 | | MP1ASRDA090D | 90x75 | 16 | 30 | |
| MP1A6RBC160L | 160x90 | 6 | 10 | | MP1ASRDA110D | 110x90 | 16 | 15 | |
| MP1A6RBB160L | 160x110 | 6 | 16 |  Union | MP1A4ECP063L | 63 | 4 | 100 | |
| MP1A6RBB200L | 200x160 | 6 | 6 | | MP1A4ECP075L | 75 | 4 | 60 | |
| MP1A6RBC250L | 250x160 | 6 | 3 | | MP1A4ECP090L | 90 | 4 | 40 | |
| MP1A6RBA250L | 250x200 | 6 | 3 | | MP1A4ECP110L | 110 | 4 | 22 | |
| MP1ATRBA025L | 25x20 | 10 | 1200 | | MP1A4ECP140L | 140 | 4 | 14 | |
| MP1ATRBB032L | 32x20 | 10 | 900 | | MP1A4ECP180L | 180 | 4 | 8 | |
| MP1ATRBA032L | 32x25 | 10 | 600 | | MP1A6ECP040L | 40 | 6 | 310 | |
| MP1ATRBD063L | 63x25 | 10 | 125 | | MP1A6ECP050L | 50 | 6 | 200 | |
| MP1ASRBB032D | 32x20 | 16 | 900 | | MP1A6ECP063L | 63 | 6 | 100 | |
| MP1ATRBA032D | 32x25 | 16 | 900 | | MP1A6ECP075L | 75 | 6 | 60 | |
| MP1ASRBB040D | 40x25 | 16 | 400 |  End Cap (Without collar) | MP1A6ECP090L | 90 | 6 | 40 | |
| MP1ASRBA040D | 40x32 | 16 | 750 | | MP1A6ECP110L | 110 | 6 | 22 | |
| MP1ASRBC050D | 50x25 | 16 | 250 | | MP1A6ECP160L | 160 | 6 | 28 | |
| MP1ASRBA050D | 50x40 | 16 | 400 | | MP1A6ECP180L | 180 | 6 | 20 | |
| MP1ASRBC063D | 63x32 | 16 | 160 | | MP1A6ECP200L | 200 | 6 | 14 | |
| MP1ASRBA063D | 63x50 | 16 | 210 | | MP1A6ECP250L | 250 | 6 | 3 | |
| MP1ASRBB075D | 75x50 | 16 | 90 | | MP1A6ECP315L | 315 | 6 | 1 | |
| MP1ASRBA075D | 75x63 | 16 | 150 | | MP1ATECP020L | 20 | 10 | 1200 | |
| MP1ASRBA090D | 90x75 | 16 | 80 | | MP1ATECP025L | 25 | 10 | 900 | |
| MP1ASRBA110D | 110x90 | 16 | 48 | | MP1ATECP032L | 32 | 10 | 500 | |
| MP1A4RDC140L | 140x75 | 4 | 40 |  Reducer | MP1A4ECP111L | 110 | 4 | 28 |  End Cap (Without collar) |
| MP1A4RDB140L | 140x90 | 4 | 32 | | MP1A4ECW225L | 225 | 4 | 8 | |
| MP1A4RDA140L | 140x110 | 4 | 32 | | NP1ATUNIO25L | 25 | 10 | 75 |  Union |
| MP1A4RDC160L | 160x90 | 4 | 24 | | NP1ATUNIO32L | 32 | 10 | 50 | |
| MP1A4RDB160L | 160x110 | 4 | 24 | | NP1ATUNIO40L | 40 | 10 | 35 | |
| MP1A4RDA160L | 160x140 | 4 | 20 | | NP1ATUNIO50L | 50 | 10 | 15 | |
| MP1A4RDD200L | 200x110 | 4 | 12 | | NP1ATUNIO63L | 63 | 10 | 10 | |
| MP1A4RDB200L | 200x160 | 4 | 10 | | NP1ATUNIO75L | 75 | 10 | 6 | |
| MP1A6RDB040L | 40x25 | 6 | 250 | | NP1ATUNIO90L | 90 | 10 | 3 | |
| MP1A6RDA040L | 40x32 | 6 | 190 | | | | | | |
| MP1A6RDC050L | 50x25 | 6 | 150 | | | | | | |
| MP1A6RDB050L | 50x32 | 6 | 140 | | | | | | |







1) Fittings are offered in Light Grey (LG) and Dark Grey (DG) colours. All the fittings shown in dark grey colour are in PN 16 pressure class. 2) Prefix "PN" indicates Nominal pressure, i.e., working pressure. 3) 1, 2 and 3 kgf/cm² pressure class economical fittings are also available under the brand name of "Smart", "Sufala L.W." and "Sufala" respectively. F - Fabricated.

| Item Code | Size in mm | Pressure Class (kgf/cm ²) | Box qty. | | Item Code | Size in mm | Pressure Class (kgf/cm ²) | Box qty. | |
|--------------|--------------|---------------------------------------|----------|---|--------------|--------------|---------------------------------------|----------|---|
| MP1A6TLP063L | 63 | 6 | 100 |  Tail Piece | MP1ATFTT020L | 20x15 (½") | 10 | 400 |  Equal Tee (One Side Threaded) |
| MP1A6TLP075L | 75 | 6 | 60 | | MP1ATFTT025L | 25x15 (½") | 10 | 250 | |
| MP1A6TLP090L | 90 | 6 | 40 | | MP1ATFTT026L | 25x20 (¾") | 10 | 200 | |
| MP1A6TLP110L | 110 | 6 | 20 | | MP1ATFTTB32L | 32x15 (½") | 10 | 150 | |
| MP1A6TLP140L | 140 | 6 | 32 | | MP1ATFTTA32L | 32x20 (¾") | 10 | 150 | |
| MP1A6TLP160L | 160 | 6 | 20 | | FPP16TEE75DG | 75x65 (2½") | 16 | 30 | |
| MP1A6TLP200L | 200 | 6 | 12 | | FPP16TEE90DG | 90x80 (3") | 16 | 20 | |
| MP1ASTLP063D | 63 | 16 | 80 | | FPP16TE110DG | 110x100 (4") | 16 | 12 | |
| MP1ASTLP075D | 75 | 16 | 54 | | MP1A6MTA040L | 40 (1¼") | 6 | 200 |  Flange |
| MP1ASTLP090D | 90 | 16 | 40 | | MP1A6MTA050L | 50 (1½") | 6 | 190 | |
| MP1ASTLP110D | 110 | 16 | 20 | | MP1A6MTA063L | 63 (2") | 6 | 108 | |
| MP1ASTLP160D | 160 | 16 | 6 | | MP1A6MTA075L | 75 (2½") | 6 | 64 | |
| MP1ASTLP200D | 200 | 16 | 2 | | MP1A6MTA090L | 90 (3") | 6 | 35 | |
| MP1A6FLG063L | 63 | 6 | 100 |  Flange Adapter | MP1A6MTA110L | 110 (4") | 6 | 14 | |
| MP1A6FLG075L | 75 | 6 | 75 | | MP1A6MTA140L | 140 (5") | 6 | 30 | |
| MP1A6FLG090L | 90 | 6 | 60 | | MP1A6MTA160L | 160 (6") | 6 | 15 | |
| MP1A6FLG110L | 110 | 6 | 42 | | MP1ATMTA020L | 20 (½") | 10 | 900 | |
| MP1A6FLA075L | 75 | 6 | 14 | | MP1ATMTA025L | 25 (¾") | 10 | 500 | |
| MP1A6FLA090L | 90 | 6 | 12 | | MP1ATMTA032L | 32 (1") | 10 | 300 | |
| MP1ATFLA063L | 63 | 10 | 30 | | MP1ATMTA063L | 63 (2") | 10 | 90 | |
| MP1ATFLA110L | 110 | 10 | 8 | | MP1ATMTA075L | 75 (2½") | 10 | 56 | |
| MP1ATFLA160L | 160 | 10 | 4 | | MP1ATMTA090L | 90 (3") | 10 | 32 | |
| NP1ATFVS200L | 200 | 10 | | | MP1ATMTA110L | 110 (4") | 10 | 14 | |
| MP1ATBFL063L | 63 | 10 | 12 |  Van Stone Flange Adapter | MP1ASMTA020D | 20 (½") | 16 | 300 |  Male Threaded Adapter (M.T.A) |
| MP1ATBFL075L | 75 | 10 | 10 | | MP1ASMTA025D | 25 (¾") | 16 | 600 | |
| MP1ATBFL090L | 90 | 10 | 9 | | MP1ASMTA032D | 32 (1") | 16 | 325 | |
| MP1ATBFL110L | 110 | 10 | 3 | | MP1ASMTA040D | 40 (1¼") | 16 | 175 | |
| MP1A6FTE063L | 63x50 (2") | 6 | 35 | | MP1ASMTA050D | 50 (1½") | 16 | 110 | |
| MP1A6FTE076L | 75x50 (2") | 6 | 25 | | MP1ASMTA063D | 63 (2") | 16 | 90 | |
| MP1A6FTE075L | 75x65 (2½") | 6 | 20 | | MP1ASMTA075D | 75 (2½") | 16 | 88 | |
| MP1A6FTE090L | 90x80 (3") | 6 | 40 | | MP1ASMTA090D | 90 (3") | 16 | 36 | |
| MP1A6FTE110L | 110x100 (4") | 6 | 10 | | MP1ASMTA110D | 110 (4") | 16 | 22 | |
| MP1ATFTE020L | 20x15 (½") | 10 | 500 | | MP1A3FTA020L | 20 (½") | 3 | 400 |  Blind Flange |
| MP1ATFTEB25L | 25x15 (½") | 10 | 300 |  Elbow 90° (One Side Threaded) | MP1A6FTA040L | 40 (1¼") | 6 | 180 | |
| MP1ATFTEA25L | 25x20 (¾") | 10 | 300 | | MP1A6FTA050L | 50 (1½") | 6 | 160 | |
| MP1ATFTEB32L | 32x15 (½") | 10 | 250 | | MP1A6FTA063L | 63 (2") | 6 | 62 | |
| MP1ATFTEA32L | 32x20 (¾") | 10 | 200 | | MP1A6FTA075L | 75 (2½") | 6 | 40 | |
| MP1ASFTE050D | 50x40 (1½") | 16 | 80 | | MP1A6FTA090L | 90 (3") | 6 | 24 | |
| MP1ASFTE063D | 63x50 (2") | 16 | 45 | | MP1A6FTA110L | 110 (4") | 6 | 48 | |
| FPP16ELB75DG | 75x65 (2½") | 16 | 25 | | MP1A6FTA140L | 140 (5") | 6 | 24 | |
| FPP16ELB90DG | 90x80 (3") | 16 | 30 | | MP1A6FTA160L | 160 (6") | 6 | 12 | |
| FPP16EL110DG | 110x100 (4") | 16 | 15 | | MP1ATFTA020L | 20 (½") | 10 | 700 | |
| MP1A6BSE063L | 63 (2") | 6 | 40 | | MP1ATFTA025L | 25 (¾") | 10 | 500 | |
| MP1ATBSE075L | 75 (2½") | 10 | 30 |  Elbow 90° (Both Side Threaded) | MP1ATFTA032L | 32 (1") | 10 | 300 | |
| MP1ATBSE090L | 90 (3") | 10 | 20 | | MP1ATFTA063L | 63 (2") | 10 | 65 | |
| MP1A6FTT063L | 63x50 (2") | 6 | 24 | | MP1ATFTA075L | 75 (2½") | 10 | 30 | |
| MP1A6FTT075L | 75x65 (2½") | 6 | 50 | | MP1ATFTA090L | 90 (3") | 10 | 24 | |
| MP1A6FTT090L | 90x80 (3") | 6 | 30 | | MP1ATFTA110L | 110 (4") | 10 | 18 | |
| MP1A6FTT112L | 110x50 (2") | 6 | 9 | | MP1ASFTA020D | 20 (½") | 16 | 300 |  Female Threaded Adapter (F.T.A.) |
| MP1A6FTT111L | 110x65 (2½") | 6 | 22 | | MP1ASFTA025D | 25 (¾") | 16 | 500 | |
| MP1A6FTT110L | 110x80 (3") | 6 | 18 | | MP1ASFTA032D | 32 (1") | 16 | 325 | |
| MP1A6FTT113L | 110x100 (4") | 6 | 7 | | MP1ASFTA040D | 40 (1¼") | 16 | 270 | |
| MP1A6RMA075L | 75x50 (2") | 6 | 64 |  Equal Tee (One Side Threaded) | MP1ASFTA050D | 50 (1½") | 16 | 140 | |
| MP1A6RMB090L | 90x50 (2") | 6 | 42 | | MP1ASFTA063D | 63 (2") | 16 | 80 | |
| MP1A6RMD090L | 90x65 (2½") | 6 | 42 | | MP1ASFTA075D | 75 (2½") | 16 | 57 | |
| MP1ATRMA025L | 25x15 (½") | 10 | 600 | | MP1ASFTA090D | 90 (3") | 16 | 32 | |
| | | | | | MP1ASFTA110D | 110 (4") | 16 | 22 | |
| | | | | | | | | |  Reducing Male Threaded Adapter (R.M.T.A.) |
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1) Fittings are offered in Light Grey (LG) and Dark Grey (DG) colours. All the fittings shown in dark grey colour are in PN 16 pressure class. 2) Prefix "PN" indicates Nominal pressure, i.e., working pressure. 3) 1, 2 and 3 kgf/cm² pressure class economical fittings are also available under the brand name of "Smart", "Sufala L.W." and "Sufala" respectively. F - Fabricated.

| Item Code | Size in mm | Pressure Class (kgf/cm ²) | Box qty. | | Item Code | Size in mm | Pressure Class (kgf/cm ²) | Box qty. | |
|--------------|------------|---------------------------------------|----------|--|--------------|------------|---------------------------------------|----------|--|
| NP1ATBLV075L | 75 | 10 | 3 |  Ball Valve | FPP4BN9025LG | 25 | 10 | 150 |  Bend 90° (F) |
| NP1ATBLV090L | 90 | 10 | 2 | | FPP4BN9032LG | 32 | 10 | 75 | |
| NP1ATBLV110L | 110 | 10 | 1 | | FPP4BN9063LG | 63 | 10 | 30 | |
| NP1ASBLV025D | 25 | 16 | 16 | | FPP4BN9075LG | 75 | 10 | 20 | |
| NP1ASBLV032D | 32 | 16 | 28 | | FPP4BN9090LG | 90 | 10 | 10 |  Repair Coupler Short (with elastomeric rubber seal) (F) |
| NP1ASBLV040D | 40 | 16 | 16 | | FPP2ERC076LG | 75 | 4 | 20 | |
| NP1ASBLV050D | 50 | 16 | 9 | | FPP2ERC091LG | 90 | 4 | 15 | |
| NP1ASBLV063D | 63 | 16 | 6 | | FPP2ERC111LG | 110 | 4 | 10 | |
| NP1ATBVUN25L | 25 | 10 | |  Plain Ball Valve (Union Type) | FPP2ERC141LG | 140 | 4 | 5 | |
| | | | | | FPP2ERC161LG | 160 | 4 | 4 | |
| | | | | | FPP3ERC064LG | 63 | 6 | 30 | |
| | | | | | FPP3ERC076LG | 75 | 6 | 20 | |
| | | | | | FPP3ERC091LG | 90 | 6 | 12 | |
| | | | | | FPP3ERC112LG | 110 | 6 | 10 | |
| | | | | | FPP3ERC142LG | 140 | 6 | 5 | |
| | | | | | FPP3ERC162LG | 160 | 6 | 4 | |
| NP1ASTBV025D | 25 | 16 | 16 |  Threaded Ball Valve (Union Type) | FPP2ERC075LG | 75 | 4 | 20 |  Repair Coupler Long (with elastomeric rubber seal) (F) |
| | | | | | FPP2ERC090LG | 90 | 4 | 15 | |
| | | | | | FPP2ERC110LG | 110 | 4 | 7 | |
| | | | | | FPP2ERC140LG | 140 | 4 | 5 | |
| | | | | | FPP2ERC160LG | 160 | 4 | 4 | |
| | | | | | FPP2ERC180LG | 180 | 4 | 3 | |
| | | | | | FPP2ERC200LG | 200 | 4 | 1 | |
| | | | | | FPP2ERC225LG | 225 | 4 | 1 | |
| NP1ATBFV075D | 75 | 10 | 2 |  Butterfly Valve | FPP2ERC250LG | 250 | 4 | 1 |  Repair Coupler Long (with elastomeric rubber seal) (F) |
| NP1ATBFV090D | 90 | 10 | 2 | | FPP2ERC280LG | 280 | 4 | 1 | |
| NP1ATBFV110D | 110 | 10 | 2 | | FPP2ERC315LG | 315 | 4 | 1 | |
| NP1ATBFV160D | 160 | 10 | 1 | | FPP3ERC063LG | 63 | 6 | 25 | |
| | | | | | FPP3ERC075LG | 75 | 6 | 20 | |
| | | | | | FPP3ERC090LG | 90 | 6 | 15 | |
| | | | | | FPP3ERC110LG | 110 | 6 | 7 | |
| | | | | | FPP3ERC140LG | 140 | 6 | 5 | |
| NP1ATNRV075L | 75 | 10 | 2 |  Non Return Valve (NRV) | FPP3ERC160LG | 160 | 6 | 4 | |
| NP1ATNRV090L | 90 | 10 | 1 | | FPP3ERC180LG | 180 | 6 | 3 | |
| NP1ATNRV110L | 110 | 10 | 1 | | FPP3ERC200LG | 200 | 6 | 1 | |
| NP1ASNRV063D | 63 | 16 | 6 | | FPP3ERC225LG | 225 | 6 | 1 | |
| | | | | | FPP3ERC250LG | 250 | 6 | 1 | |
| | | | | | FPP3ERC280LG | 280 | 6 | 1 | |
| | | | | | FPP3ERC315LG | 315 | 6 | 1 | |
| | | | | | FPP4ERC063LG | 63 | 10 | 25 | |
| NP1ATTNR075L | 75 (2½") | 10 | 2 |  Non Return Valve (Female Threaded) | FPP4ERC075LG | 75 | 10 | 20 | |
| NP1ATTNR090L | 90 (3") | 10 | 1 | | FPP4ERC090LG | 90 | 10 | 15 | |
| NP1ATTNR110L | 110 (4") | 10 | 1 | | FPP4ERC110LG | 110 | 10 | 7 | |
| NP1ASTNR063D | 63 (2") | 16 | 6 | | FPP4ERC125LG | 125 | 10 | 1 | |
| | | | | | FPP4ERC141LG | 140 | 10 | 4 | |
| | | | | | FPP4ERC160LG | 160 | 10 | 3 | |
| | | | | | FPP4ERC180LG | 180 | 10 | 3 | |
| | | | | | FPP4ERC200LG | 200 | 10 | 1 | |
| NP7ATARV020B | ¾" | 10 | 24 |  Air Release Valve | FPP4ERC225LG | 225 | 10 | 2 |  Repair Coupler (F) |
| NP7ATARV025B | 1" | 10 | 18 | | FPP4ERC250LG | 250 | 10 | 1 | |
| NP7ATARV032B | 1¼" | 10 | 12 | | FPP4ERC280LG | 280 | 10 | 1 | |
| NP7ATARV040B | 1½" | 10 | 8 | | FPP4ERC315LG | 315 | 10 | 1 | |
| NP1ASARV063D | 2" | 16 | 3 | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| FPP3SB9040LG | 40 | 6 | 200 |  Short Bend (1D) (F) | FPP4RCP063LG | 63 | 10 | |  Repair Coupler (F) |
| FPP3SB9050LG | 50 | 6 | 120 | | FPP4RCP075LG | 75 | 10 | | |
| FPP3SB9063LG | 63 | 6 | 65 | | FPP4RCP090LG | 90 | 10 | | |
| FPP3SB9075LG | 75 | 6 | L | | FPP4RCP112LG | 110 | 10 | | |
| FPP3SB9090LG | 90 | 6 | L |  Bend 90° (F) | FPP4RCP140LG | 140 | 10 | | |
| FPP4SB9025LG | 25 | 10 | L | | FPP4RCP160LG | 160 | 10 | | |
| FPP4SB9032LG | 32 | 10 | 120 | | FPP4RCP180LG | 180 | 10 | | |
| | | | | | FPP4RCP200LG | 200 | 10 | | |
| | | | | | FPP4RCP225LG | 225 | 10 | | |
| | | | | | FPP4RCP250LG | 250 | 10 | | |
| | | | | | FPP4RCP280LG | 280 | 10 | | |
| | | | | | | | | | |
| FPP2BN9063LG | 63 | 4 | 40 | | | | | | |
| FPP2BN9075LG | 75 | 4 | 25 | | | | | | |
| FPP2BN9090LG | 90 | 4 | 15 | | | | | | |
| FPP3BN9040LG | 40 | 6 | 150 | | | | | | |
| FPP3BN9050LG | 50 | 6 | 75 | | | | | | |
| FPP3BN9063LG | 63 | 6 | 40 | | | | | | |
| FPP3BN9075LG | 75 | 6 | 25 | | | | | | |
| FPP3BN9090LG | 90 | 6 | 15 | | | | | | |

1) Fittings are offered in Light Grey (LG) and Dark Grey (DG) colours. All the fittings shown in dark grey colour are in PN 16 pressure class. 2) Prefix "PN" indicates Nominal pressure, i.e., working pressure. 3) 1, 2 and 3 kgf/cm² pressure class economical fittings are also available under the brand name of "Smart", "Sufala L.W." and "Sufala" respectively. F - Fabricated.

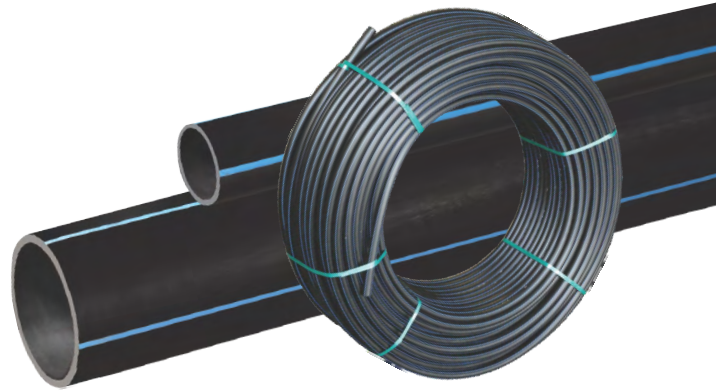
| Item Code | Size in mm | Pressure Class (kgf/cm ²) | Box qty. | | Item Code | Size in mm | Pressure Class (kgf/cm ²) | Box qty. | |
|---|-------------|---------------------------------------|----------|--|------------|------------|---------------------------------------|----------|---|
| FPP3LCP063LG | 63 | 6 | 75 |  Leakage Coupler (F) | 4100704 | 100ml | | 24 |  Solvent Cement Heavy Bodied |
| FPP3LCP075LG | 75 | 6 | 60 | | 4100705 | 250ml | | 24 | |
| FPP3LCP090LG | 90 | 6 | 50 | | 4100706 | 500ml | | 24 | |
| FPP3LCP110LG | 110 | 6 | 25 | | 4100392 | 1000ml | | 6 | |
| FPP3LCP140LG | 140 | 6 | 12 | | 4100393 | 5000ml | | 4 | |
| FPP3LCP160LG | 160 | 6 | 10 | | | | | | |
| FPP3LCP180LG | 180 | 6 | 8 | | | | | | |
| FPP3LCP200LG | 200 | 6 | 4 | | | | | | |
| All the leakage couplers are available in 6", 9" and 12" standard length. | | | | | 4100442 | 110-175x15 | | |  Strap Saddle |
| 4101139 | 10ml (Tube) | | 48 | 4100443 | 110-175x20 | | | | |
| 4101138 | 20ml (Tube) | | 48 | 4100448 | 110-175x40 | | | | |
| 4100394 | 50ml | | 100 | 4100449 | 200-300x40 | | | | |
| 4100396 | 100ml | | 50 | 4100446 | 200-300x50 | | | | |
| 4100395 | 50ml | | 48 | 4100447 | 200-400x50 | | | | |
| 4100397 | 100ml | | 24 | Handmade Fittings | | | | |  Handmade Fittings |
| 4100398 | 250ml | | 24 | Besides a vast range of moulded fittings, an exhaustive range of handmade fittings are made available to offer complete system. This range of products includes couplers, bends, short bends, tee's, reducing tee's, cross tee's, tail pieces, reducers, single or reducing Y's, end caps, leakage couplers etc. in 20 to 450mm sizes in different pressure classes. | | | | | |
| 4100399 | 500ml | | 24 | Handmade division of the Company is equipped to make any tailor-made product as per customer / project requirements. This implies a complete system solution made of the same material eliminating the dependence of the customer on any other conventional product. | | | | | |
| 4100400 | 1000ml | | 6 | | | | | | |
| 4100401 | 5000ml | | 4 | | | | | | |
| Note: Recommended for smaller sizes and lower pressure class upto 75mm size - any pressure class upto 110mm size in 4 and 6 kgf/cm ² , upto 200mm size - 2.5 kgf/cm ² | | | | | | | | | |
| 4104808 | 100ml | | 24 |  Solvent Cement Regular Bodied | | | | | |
| 4104809 | 250ml | | 24 | | | | | | |
| 4104810 | 500ml | | 24 | | | | | | |
| 4104811 | 1000ml | | 6 | | | | | | |
| 4104812 | 5000ml | | 4 | | | | | | |
| Note: Recommended for larger sizes and higher pressure class- 90mm and 110mm in 10 and 12.5 kgf/cm ² 140mm and above sizes in 4, 6, 10 and 12.5 kgf/cm ² | | | | | | | | | |
| | | | |  Solvent Cement Medium Bodied | | | | | |

1) Fittings are offered in Light Grey (LG) and Dark Grey (DG) colours. All the fittings shown in dark grey colour are in PN 16 pressure class. 2) Prefix "PN" indicates Nominal pressure, i.e., working pressure. 3) 1, 2 and 3 kgf/cm² pressure class economical fittings are also available under the brand name of "Smart", "Sufala L.W." and "Sufala" respectively. F - Fabricated.

THE SYSTEM

Supreme polyethylene pipes are safe, long lasting and cost effective solution for variety of applications like potable water supply, irrigation and bore well application. Supreme HDPE pipes are manufactured from virgin raw material with the help of state of the art manufacturing facilities. Stringent tests on raw material and finished goods helps to ensure the quality as per national and international standards.

The pipes and fittings are available in complete range from 20 to 800mm sizes. The pipes are available in PN 2.5 to PN 16 pressure class in PE 63, 80 and 100 grades. Supreme PE pipes are manufactured according to IS:4984 and ISO:4427 and are tested by WRc-NSF, UK, that endorse its suitability for potable water.



FEATURES AND BENEFITS

- High reliability and proven service performance
- Excellent chemical and corrosion resistance
- Excellent flow characteristics
- High impact resistance
- Long service life
- Excellent UV, low temperature and abrasion resistance
- Excellent water hammer resistance
- Excellent weldability
- Wide variety of installation methods
- Easy, quick and economical installation
- Ideal in shifting soil condition and earthquake prone areas

Fields of Application

Polyethylene is an exciting material used for manufacturing of pipes for varied applications as enlisted in the table given below.

| APPLICATION | GRADE |
|---|-----------------------|
| Potable water mains, house connections | PE 63, 80 and 100 |
| Rural and agricultural pipes | PE 63 and 80 |
| Column pipes for submersible pumps in coil form | PE 63 and 80 |
| Sprinkler and drip irrigation | PE 63 and above grade |
| Sewerage/Subsoil drainage | PE 80 and 100 |
| Coal handling in mines | PE 80 and 100 |
| Industrial applications | PE 63, 80 and 100 |
| ID Pipes for submersible pump | PE 63 and 80 |

Standard dimension ratio (SDR) and corresponding wall thicknesses of pipes as per IS 4984:2016

| SDR | SDR 41 | | SDR 33 | | SDR 26 | | SDR 21 | | SDR 17 | | SDR 13.6 | | SDR 11 | | SDR 9 | | SDR 7.4 | | SDR 6 | | |
|------------|---------------------------|------|--------|------|--------|------|--------|------|--------|------|----------|------|---------|------|---------|------|---------|-------|-------|-------|--|
| | Nominal Pressure (PN) Bar | | | | | | | | | | | | | | | | | | | | |
| PE 63 | PN 2 | | PN 2.5 | | PN 3.2 | | PN 4 | | PN 5 | | PN 6 | | PN 8 | | - | | - | | - | | |
| PE 80 | PN 2.5 | | PN 3.2 | | PN 4 | | PN 5 | | PN 6 | | PN 8 | | PN 10 | | PN 12.5 | | PN 16 | | PN 20 | | |
| PE 100 | PN 3 | | PN 4 | | PN 5 | | PN 6 | | PN 8 | | PN 10 | | PN 12.5 | | PN 16 | | PN 20 | | - | | |
| Nominal OD | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | |
| 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.8 | 2.1 | 2.2 | 2.5 | 2.7 | 3.1 | |
| 20 | - | - | - | - | - | - | - | - | - | - | - | - | 1.9 | 2.2 | 2.3 | 2.6 | 2.7 | 3.1 | 3.4 | 3.8 | |
| 25 | - | - | - | - | - | - | - | - | - | - | 1.9 | 2.2 | 2.3 | 2.6 | 2.8 | 3.2 | 3.4 | 3.8 | 4.2 | 4.7 | |
| 32 | - | - | - | - | - | - | - | - | 1.9 | 2.2 | 2.4 | 2.7 | 2.9 | 3.3 | 3.6 | 4.1 | 4.4 | 4.9 | 5.4 | 6.0 | |
| 40 | - | - | - | - | - | - | 1.9 | 2.2 | 2.4 | 2.7 | 3.0 | 3.4 | 3.7 | 4.2 | 4.5 | 5.1 | 5.4 | 6.0 | 6.7 | 7.5 | |
| 50 | - | - | - | - | 2.0 | 2.3 | 2.4 | 2.7 | 3.0 | 3.4 | 3.7 | 4.2 | 4.6 | 5.2 | 5.6 | 6.3 | 6.8 | 7.6 | 8.4 | 9.3 | |
| 63 | - | - | - | - | 2.5 | 2.9 | 3.0 | 3.4 | 3.7 | 4.2 | 4.7 | 5.3 | 5.8 | 6.5 | 7.0 | 7.8 | 8.6 | 9.6 | 10.5 | 11.7 | |
| 75 | 1.9 | 2.2 | 2.3 | 2.6 | 2.9 | 3.3 | 3.6 | 4.1 | 4.5 | 5.1 | 5.6 | 6.3 | 6.9 | 7.7 | 8.4 | 9.3 | 10.2 | 11.3 | 12.5 | 13.9 | |
| 90 | 2.2 | 2.5 | 2.8 | 3.2 | 3.5 | 4.0 | 4.3 | 4.8 | 5.3 | 5.9 | 6.7 | 7.5 | 8.2 | 9.1 | 10.0 | 11.1 | 12.2 | 13.5 | 15.0 | 16.6 | |
| 110 | 2.7 | 3.1 | 3.4 | 3.8 | 4.3 | 4.8 | 5.3 | 6.0 | 6.5 | 7.3 | 8.1 | 9.0 | 10.0 | 11.1 | 12.3 | 13.6 | 14.9 | 16.5 | 18.4 | 20.3 | |
| 125 | 3.1 | 3.5 | 3.8 | 4.3 | 4.8 | 5.4 | 6.0 | 6.7 | 7.4 | 8.2 | 9.2 | 10.2 | 11.4 | 12.7 | 13.9 | 15.4 | 16.9 | 18.7 | 20.9 | 23.1 | |
| 140 | 3.5 | 4.0 | 4.3 | 4.8 | 5.4 | 6.0 | 6.7 | 7.5 | 8.3 | 9.2 | 10.3 | 11.4 | 12.8 | 14.2 | 15.6 | 17.3 | 19.0 | 21.0 | 23.4 | 25.8 | |
| 160 | 3.9 | 4.4 | 4.9 | 5.5 | 6.2 | 6.9 | 7.7 | 8.6 | 9.5 | 10.6 | 11.8 | 13.1 | 14.6 | 16.2 | 17.8 | 19.7 | 21.7 | 24.0 | 26.7 | 29.5 | |
| 180 | 4.4 | 4.9 | 5.5 | 6.2 | 7.0 | 7.8 | 8.6 | 9.6 | 10.6 | 11.8 | 13.3 | 14.7 | 16.4 | 18.1 | 20.0 | 22.1 | 24.4 | 26.9 | 30.0 | 33.1 | |
| 200 | 4.9 | 5.5 | 6.1 | 6.8 | 7.7 | 8.6 | 9.6 | 10.7 | 11.8 | 13.1 | 14.7 | 16.3 | 18.2 | 20.1 | 22.3 | 24.6 | 27.1 | 29.9 | 33.4 | 36.8 | |
| 225 | 5.5 | 6.2 | 6.9 | 7.7 | 8.7 | 9.7 | 10.8 | 12.0 | 13.3 | 14.7 | 16.6 | 18.4 | 20.5 | 22.7 | 25.0 | 27.6 | 30.5 | 33.7 | 37.5 | 41.4 | |
| 250 | 6.1 | 6.8 | 7.6 | 8.5 | 9.7 | 10.8 | 12.0 | 13.3 | 14.7 | 16.3 | 18.4 | 20.3 | 22.8 | 25.2 | 27.8 | 30.7 | 33.8 | 37.3 | 41.7 | 46.0 | |
| 280 | 6.9 | 7.7 | 8.5 | 9.5 | 10.8 | 12.0 | 13.4 | 14.8 | 16.5 | 18.3 | 20.6 | 22.8 | 25.5 | 28.2 | 31.2 | 34.4 | 37.9 | 41.8 | 46.7 | 51.5 | |
| 315 | 7.7 | 8.6 | 9.6 | 10.7 | 12.2 | 13.5 | 15.0 | 16.6 | 18.6 | 20.6 | 23.2 | 25.6 | 28.7 | 31.7 | 35.0 | 38.6 | 42.6 | 47.0 | 52.5 | 57.9 | |
| 355 | 8.7 | 9.7 | 10.8 | 12.0 | 13.7 | 15.2 | 16.9 | 18.7 | 20.9 | 23.1 | 26.1 | 28.8 | 32.3 | 35.6 | 39.5 | 43.6 | 48.0 | 52.9 | 59.2 | 65.2 | |
| 400 | 9.8 | 10.9 | 12.2 | 13.5 | 15.4 | 17.0 | 19.1 | 21.1 | 23.6 | 26.1 | 29.5 | 32.6 | 36.4 | 40.1 | 44.5 | 49.1 | 54.1 | 59.6 | 66.7 | 73.5 | |
| 450 | 11.0 | 12.2 | 13.7 | 15.2 | 17.3 | 19.1 | 21.5 | 23.8 | 26.5 | 29.3 | 33.1 | 36.5 | 40.9 | 45.1 | 50.0 | 55.1 | 60.9 | 67.1 | 75.0 | 82.6 | |
| 500 | 12.2 | 13.5 | 15.2 | 16.8 | 19.3 | 21.3 | 23.9 | 26.4 | 29.5 | 32.6 | 36.8 | 40.6 | 45.5 | 50.2 | 55.6 | 61.3 | 67.6 | 74.5 | 83.4 | 91.8 | |
| 560 | 13.7 | 15.2 | 17.0 | 18.8 | 21.6 | 23.9 | 26.7 | 29.5 | 33.0 | 36.4 | 41.2 | 45.4 | 50.9 | 56.1 | 62.3 | 68.6 | 75.7 | 83.4 | 93.4 | 102.8 | |
| 630 | 15.4 | 17.0 | 19.1 | 21.1 | 24.3 | 26.8 | 30.0 | 33.1 | 37.1 | 40.9 | 46.4 | 51.1 | 57.3 | 63.1 | 70.0 | 77.1 | 85.2 | 93.8 | 105.0 | 115.6 | |
| 710 | 17.3 | 19.1 | 21.6 | 23.9 | 27.3 | 30.1 | 33.9 | 37.4 | 41.8 | 46.1 | 52.2 | 57.5 | 64.6 | 71.2 | 78.9 | 86.9 | 96.0 | 105.7 | 118.4 | 130.3 | |
| 800 | 19.5 | 21.6 | 24.3 | 26.8 | 30.8 | 34.0 | 38.1 | 42.0 | 47.1 | 51.9 | 58.9 | 64.9 | 72.8 | 80.2 | 88.9 | 97.9 | 108.2 | 119.1 | - | - | |

* Pressure ratings marked in red color are not covered under ISI mark

Dimension and pressure rating chart for HDPE pipes (PE 80) as per ISO:4427

| OD | PN 5 (SDR 26) | | PN 6 (SDR 21) | | PN 8 (SDR 17) | | PN 10 (SDR 13.6) | | PN 12.5 (SDR 11) | | PN 16 (SDR 9) | |
|-----|---------------|------|---------------|------|---------------|-------|------------------|-------|------------------|-------|---------------|-------|
| DN | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| 20 | - | - | - | - | - | - | - | - | 2.00 | 2.30 | 2.30 | 2.70 |
| 25 | - | - | - | - | - | - | 2.00 | 2.30 | 2.30 | 2.70 | 3.00 | 3.40 |
| 32 | - | - | - | - | 2.00 | 2.30 | 2.40 | 2.80 | 3.00 | 3.40 | 3.60 | 4.10 |
| 40 | - | - | 2.00 | 2.30 | 2.40 | 2.80 | 3.00 | 3.50 | 3.70 | 4.20 | 4.50 | 5.10 |
| 50 | 2.00 | 2.30 | 2.40 | 2.80 | 3.00 | 3.40 | 3.70 | 4.20 | 4.60 | 5.20 | 5.60 | 6.30 |
| 63 | 2.50 | 2.90 | 3.00 | 3.40 | 3.80 | 4.30 | 4.70 | 5.30 | 5.80 | 6.50 | 7.10 | 8.00 |
| 75 | 2.90 | 3.30 | 3.60 | 4.10 | 4.50 | 5.10 | 5.60 | 6.30 | 6.80 | 7.60 | 8.40 | 9.40 |
| 90 | 3.50 | 4.00 | 4.30 | 4.90 | 5.40 | 6.10 | 6.70 | 7.50 | 8.20 | 9.20 | 10.10 | 11.30 |
| 110 | 4.20 | 4.80 | 5.30 | 6.00 | 6.60 | 7.40 | 8.10 | 9.10 | 10.00 | 11.10 | 12.30 | 13.70 |
| 125 | 4.80 | 5.40 | 6.00 | 6.70 | 7.40 | 8.30 | 9.20 | 10.30 | 11.40 | 12.70 | 14.00 | 15.60 |
| 140 | 5.40 | 6.10 | 6.70 | 7.50 | 8.30 | 9.30 | 10.30 | 11.50 | 12.70 | 14.10 | 15.70 | 17.40 |
| 160 | 6.20 | 7.00 | 7.70 | 8.60 | 9.50 | 10.60 | 11.80 | 13.10 | 14.60 | 16.20 | 17.90 | 19.80 |

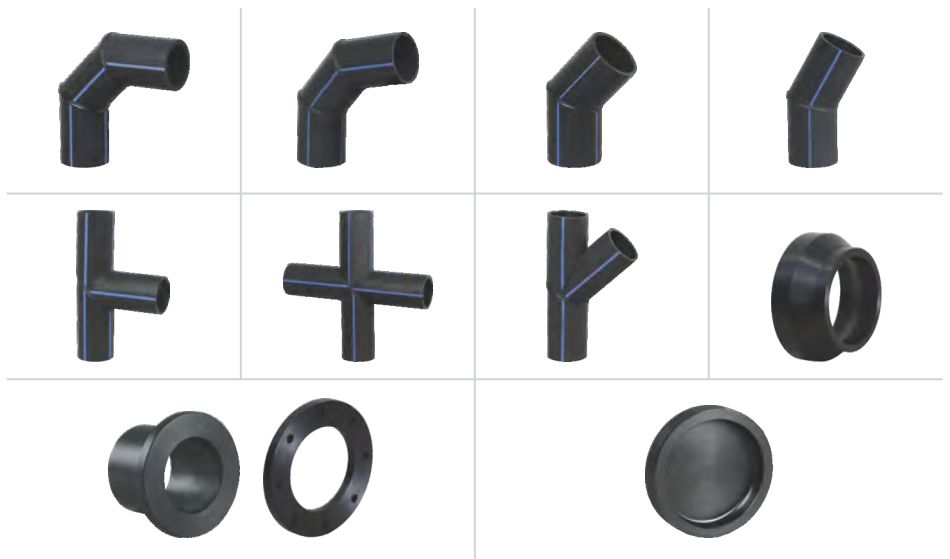
Note: Blue MDPE Pipes (PE80) for drinking water are also made available in SDR 21, SDR11 and SDR 9 in 20 to 32mm sizes.

Dimensions and pressure rating chart for HDPE pipes (PE 100) as per ISO:4427

| OD | PN 4 (SDR 41) | | PN 6 (SDR 26) | | PN 8 (SDR 21) | | PN 10 (SDR 17) | | PN 12.5 (SDR 13.6) | | PN 16 (SDR 11) | |
|-----|---------------|------|---------------|------|---------------|------|----------------|------|--------------------|------|----------------|------|
| DN | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| 20 | - | - | - | - | - | - | - | - | - | - | 2.0 | 2.3 |
| 25 | - | - | - | - | - | - | - | - | 2.0 | 2.3 | 2.3 | 2.7 |
| 32 | - | - | - | - | - | - | 2.0 | 2.3 | 2.4 | 2.8 | 3.0 | 3.4 |
| 40 | - | - | - | - | 2.0 | 2.3 | 2.4 | 2.8 | 3.0 | 3.5 | 3.7 | 4.2 |
| 50 | - | - | 2.0 | 2.3 | 2.4 | 2.8 | 3.0 | 3.4 | 3.7 | 4.2 | 4.6 | 5.2 |
| 63 | - | - | 2.5 | 2.9 | 3.0 | 3.4 | 3.8 | 4.3 | 4.7 | 5.3 | 5.8 | 6.5 |
| 75 | - | - | 2.9 | 3.3 | 3.6 | 4.1 | 4.5 | 5.1 | 5.6 | 6.3 | 6.8 | 7.6 |
| 90 | - | - | 3.5 | 4.0 | 4.3 | 4.9 | 5.4 | 6.1 | 6.7 | 7.5 | 8.2 | 9.2 |
| 110 | - | - | 4.2 | 4.8 | 5.3 | 6.0 | 6.6 | 7.4 | 8.1 | 9.1 | 10.0 | 11.1 |
| 125 | - | - | 4.8 | 5.4 | 6.0 | 6.7 | 7.4 | 8.3 | 9.2 | 10.3 | 11.4 | 12.7 |
| 140 | - | - | 5.4 | 6.1 | 6.7 | 7.5 | 8.3 | 9.3 | 10.3 | 11.5 | 12.7 | 14.1 |
| 160 | - | - | 6.2 | 7.0 | 7.7 | 8.6 | 9.5 | 10.6 | 11.8 | 13.1 | 14.6 | 16.2 |
| 180 | - | - | 6.9 | 7.7 | 8.6 | 9.6 | 10.7 | 11.9 | 13.3 | 14.3 | 16.4 | 18.2 |
| 200 | - | - | 7.7 | 8.6 | 9.6 | 10.7 | 11.9 | 13.2 | 14.7 | 16.3 | 18.2 | 20.2 |
| 225 | - | - | 8.6 | 9.6 | 10.8 | 12.0 | 13.4 | 14.9 | 16.6 | 18.4 | 20.5 | 22.7 |
| 250 | - | - | 9.6 | 10.7 | 11.9 | 13.2 | 14.8 | 16.4 | 18.4 | 20.4 | 22.7 | 25.1 |
| 280 | - | - | 10.7 | 11.9 | 13.4 | 14.9 | 16.6 | 18.4 | 20.6 | 22.8 | 25.4 | 28.1 |
| 315 | 7.7 | 8.6 | 12.1 | 13.5 | 15.0 | 16.6 | 18.7 | 20.7 | 23.2 | 25.7 | 28.6 | 31.6 |
| 355 | 8.7 | 9.7 | 13.6 | 15.1 | 16.9 | 18.7 | 21.1 | 23.4 | 26.1 | 28.9 | 32.2 | 35.6 |
| 400 | 9.8 | 10.9 | 15.3 | 17.0 | 19.1 | 21.2 | 23.7 | 26.2 | 29.4 | 32.5 | 36.3 | 40.1 |
| 450 | 11.0 | 12.2 | 17.2 | 19.1 | 21.5 | 23.8 | 26.7 | 29.5 | 33.1 | 36.6 | 40.9 | 45.1 |

FITTINGS

We offer variety of PE fittings in 63 to 800 mm sizes in PN 6, 10, 12.5 and 16 pressure class to complete the system requirements. 63 to 800 mm sizes are made available in PE 100, whereas 63 to 400 mm sizes are available in PE 80. Stub Ends, Reducers and End Caps are made available in moulded form whereas rest of the fittings like Bends 11.25° / 22.5° / 30° / 45° / 60° / 75° / 90°, Equal Tees, Cross Tees, Single Y's, Double Y's are made available in handmade form.



THE SYSTEM

Supreme offers HDPE coupled pipes, fittings and accessories, for sprinkler irrigation. This is used for spraying water through nozzles (sprinklers) to get maximum water use efficiency. This system consists of pipes and fittings along with different accessories which are designed and developed by experts in the field to provide the best quality.

Supreme Varsha® sprinkler irrigation system is useful for all kinds of soils and all types of crops. It is suitable for land with undulating terrain.

Product Range

Supreme Varsha® sprinkler pipes and fittings are manufactured as per IS:17425. Pipes are made available from 50 to 200mm sizes in Class 1 (2.5 Kg/cm²), Class 2 (3.2 Kg/cm²), Class 3 (4 Kg/cm²) and 90mm size in Class 4 (6 Kg/cm²), whereas the fittings are available from 50 to 140mm in Class 1 (2.5 Kg/cm²), Class 2 (3.2 Kg/cm²) and 90mm size in Class 4 (6 Kg/cm²).



FEATURES AND BENEFITS

- More than 40% water saving in comparison to flood irrigation.
- Well suited for irrigation of undulating fields- levelling of land is not required.
- Portable, light weight and easy to handle.
- Extensive saving in transportation and labor cost.
- Excellent corrosion resistant properties.
- UV stabilized - Provides protection from ultra violet sunrays which makes it suitable for exposed application.
- Chemically inert - Makes it suitable for liquid fertilizers and pesticides.
- Strong, durable and long lasting.
- Easy and quick installation by using coupled type joints provided with pipes and fittings.
- Cost effective.

Application

Suitable for almost all crops like wheat, gram, pulses, vegetables, cotton, tea, coffee and field crops like corn and soybean. It is also suitable for gardens maintained in residences, industries, hotels, resorts, public and government premises as also large green patches like the golf and race courses.

PIPES

Dimensions of pipes











| Nominal size (mm) | Outside diameter (mm) | | Wall thickness (mm) | | | | | |
|-------------------|-----------------------|-------|---------------------|------|---------|------|---------|------|
| | | | Class 1 | | Class 2 | | Class 3 | |
| | | | Min | Max | Min | Max | Min | Max |
| 50 | 50.0 | 50.5 | - | - | - | - | 2.00 | 2.40 |
| 63 | 63.0 | 63.6 | - | - | 2.00 | 2.40 | 2.50 | 2.90 |
| 75 | 75.0 | 75.7 | 2.00 | 2.40 | 2.50 | 2.90 | 3.00 | 3.40 |
| 90 | 90.0 | 90.8 | 2.20 | 2.60 | 2.90 | 3.40 | 3.50 | 4.10 |
| 110 | 110.0 | 111.0 | 2.70 | 3.20 | 3.40 | 3.90 | 4.20 | 4.80 |
| 125 | 125.0 | 126.2 | 3.10 | 3.60 | 3.80 | 4.50 | 4.80 | 5.50 |
| 140 | 140.0 | 141.3 | 3.50 | 4.10 | 4.30 | 5.00 | 5.40 | 6.10 |
| 160 | 160.0 | 161.5 | 3.90 | 4.50 | 4.90 | 5.60 | 6.20 | 7.00 |
| 180 | 180.0 | 181.7 | 4.40 | 5.00 | 5.50 | 6.30 | 6.90 | 7.80 |
| 200 | 200.0 | 201.8 | 4.90 | 5.60 | 6.10 | 7.00 | 7.70 | 8.70 |

Note: Spray pipes are also made available in 14mm x 8mm and 20mm 16 Kg/cm² pipes in 100m lengths. Coil length are also offered for spray pumps for orchards.

Fittings and accessories

Elbow, tee, end cap, bottom (base pipe), service saddle, etc. along with couplers and Sprinklers (nozzles), riser pipes, and metal clamps are available as per the requirements which makes the system complete in all respect.

FITTINGS

| Item Code | Size in mm | Pressure Class (kgf/cm ²) | | Item Code | Size in mm | Pressure Class (kgf/cm ²) | |
|--------------|------------|---------------------------------------|---|--------------|------------|---------------------------------------|--|
| C Type | | |  | B Type | | |  End Cap |
| RC2BNA00063K | 63 | 3.2 | | RC5ECA00063K | 63 | 3.2 | |
| RC2BNA00075K | 75 | 3.2 | | RC5ECA00075K | 75 | 3.2 | |
| RC2BNA00090K | 90 | 3.2 | | RC5ECA00090K | 90 | 3.2 | |
| | | | | RC5ECA00110K | 110 | 3.2 | |
| B Type | | |  Coupled Bend | C Type | | |  Coupled Tee |
| RC5BNA00063K | 63 | 3.2 | | RC2ETA00063K | 63 | 3.2 | |
| RC5BNA00075K | 75 | 3.2 | | RC2ETA00075K | 75 | 3.2 | |
| RC5BNA00090K | 90 | 3.2 | | RC2ETA00090K | 90 | 3.2 | |
| RC5BNA00110K | 110 | 3.2 | | | | | |
| C Type | | |  Threaded Pump Connector | B Type | | |  Coupled Tee |
| RC2PCN00063K | 63 | 3.2 | | RC5ETA00063K | 63 | 3.2 | |
| RC2PCN00075K | 75 | 3.2 | | RC5ETA00075K | 75 | 3.2 | |
| RC2PCN00090K | 90 | 3.2 | | RC5ETA00090K | 90 | 3.2 | |
| | | | | RC5ETA00110K | 110 | 3.2 | |
| B Type | | |  Threaded Pump Connector | C Type | | |  Foot Batten Adaptor with M.S. Saddle |
| RC5PCN00063K | 63 | 3.2 | | RC2FBT00063K | 63 | 3.2 | |
| RC5PCN00075K | 75 | 3.2 | | RC2FBT00075K | 75 | 3.2 | |
| RC5PCN00090K | 90 | 3.2 | | RC2FBT00090K | 90 | 3.2 | |
| | 110 | 3.2 | | | | | |
| C Type | | |  End Cap | B Type | | |  Foot Batten Adaptor with M.S. Saddle |
| RC2ECA00063K | 63 | 3.2 | | RC5FBT00063K | 63 | 3.2 | |
| RC2ECA00075K | 75 | 3.2 | | RC5FBT00075K | 75 | 3.2 | |
| RC2ECA00090K | 90 | 3.2 | | RC5FBT00090K | 90 | 3.2 | |
| | | | | | 110 | 3.2 | |

| Item Code | Nozzle Size (mm) | Pressure (Kg/cm ²) | Diameter (m) | Discharge (LPM) |
|-----------|------------------|--------------------------------|--------------|-----------------|
| 1603312 | 5.15 x 3.17 | 2.00 | 25.00 | 34.00 |
| | | 2.50 | 28.00 | 36.50 |
| | | 3.00 | 30.00 | 38.00 |
| | | 3.50 | 32.00 | 41.00 |



THE SYSTEM

In majority of the cases, it has been observed that the tube wells fails due to corrosion and encrustation problems associated with conventional pipes. Corrosion damages the strainer screens allowing the sand particles to enter in the well along with the water while, encrustation reduces the pipe diameter as well as the effective area of the screen; making the tube well unserviceable in a shorter period of time. These problems are totally eliminated in Supreme casing pipes which are made from specially developed PVC compounds. Additionally, Supreme casing pipes offer superior performance at a lower cost which has made these pipes a preferred choice of customers across the country.

Supreme offers variety of pipes for bore-well applications to cater to every need of bore-well sector. The variety of pipes includes casing pipes as per IS:12818 and ASTM D:1785, ribbed screen casing pipes for tube wells, SDR casing pipe series for shallow depth applications as per company standards and plain pipes as well as screen(slotted) pipes.

Users: Due to the excellent results, the Supreme uPVC casing pipes are well accepted by civil engineers, drilling contractors and government/semi-government departments. They are ideal for domestic use, irrigation, industrial, public and mining wells.

FEATURES AND BENEFITS

Excellent corrosion resistance - Unlike metal pipes, uPVC casing pipes are completely immune to corrosion and offer good resistance to aggressive elements in the soil which could cause encrustation of well screens.

Light in weight - These pipes are light in weight which makes their transportation and installation very easy and cheaper than conventional materials.

Quick and convenient installation - These pipes can be easily assembled and installed using threaded joints. These pipes are suitable where drilling is done by hand, with light weight drilling rig or even with large capacity drilling machines.

Excellent strength and stiffness - These pipes have excellent stiffness that meet all the mechanical properties as per IS:12818. They have excellent hydrostatic collapse pressure that is capable of withstanding the external hydraulic pressure which these pipes would be subjected to during construction of the well.

Non-toxic - The material of the pipe is non-toxic and hence does not impart any taste, odour or colour to water. It also does not release any harmful substance in the water which could pose health problems. It also resists bacteria, which makes it completely safe for drinking water applications.

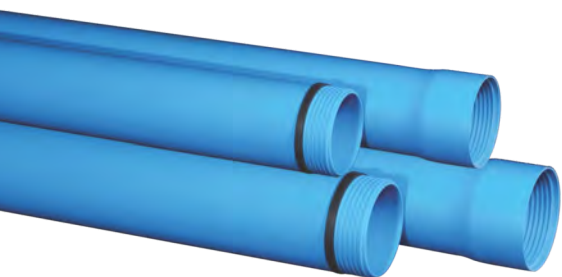
Non-conductive - uPVC is a non-conductor of electricity eliminating any electro chemical reactions and with ground water which could cause encrustation of screens.

Long lasting - The material is free from rusting, weathering, and chemical reactions. Excellent mechanical properties ensures long and trouble free service life.

Economical - Supreme uPVC casing and screen pipes are the most economical solution compared to the other materials or alternative uPVC casing pipes available in the market.

Casing Pipes conforming to IS:12818-2010

These pipes are manufactured as per BIS standards (IS:12818-2010) and are available in deep blue colour. One end of the pipe is male threaded whereas other end is a female threaded socket. Threads are either 'V' type or trapezoid type and protection caps are provided on the threads to protect the threads in transit. Two types of pipes, viz., Shallow Well (C.S.) and Medium Well (C.M.) are available. Shallow well pipes can be used for depths up to 80 m and medium well pipes can be used up to 250m of depth.



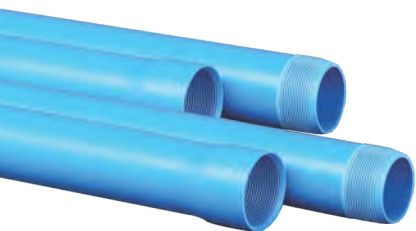
Dimensions of Casing Pipes conforming to IS:12818-2010

| Shallow Well - C.S. (Suitable upto 80m depth) | | | | | |
|---|--------------------------|-------|--------------------------|------|--------------|
| Nominal sizes | Outer diameter (D) in mm | | Wall thickness (t) in mm | | Length L (m) |
| | Min | Max | Min | Max | |
| 125mm (5") | 140 | 140.4 | 5.0 | 5.6 | 3 |
| 150mm (6") | 165 | 165.4 | 5.7 | 6.5 | 3 |
| 175mm (7") | 200 | 200.5 | 7.0 | 7.8 | 3 |
| 200mm (8") | 225 | 225.5 | 7.6 | 8.8 | 3 |
| 250mm (10") | 280 | 280.5 | 9.6 | 11.0 | 3 |
| Medium Well - C.M. (Suitable upto 250m depth) | | | | | |
| 35mm (1¼") | 42 | 42.2 | 3.5 | 4.0 | 3 |
| 40mm (1½") | 48 | 48.2 | 3.5 | 4.0 | 3/6 |
| 50mm (2") | 60 | 60.2 | 4.0 | 4.6 | 3 |
| 80mm (3") | 88 | 88.3 | 4.0 | 4.6 | 3/6 |
| 100mm (4") | 113 | 113.3 | 5.0 | 5.7 | 3/5 |
| 115mm | 125 | 125.3 | 5.0 | 5.7 | 3 |
| 125mm (5") | 140 | 140.4 | 6.5 | 7.3 | 3 |
| 150mm (6") | 165 | 165.4 | 7.5 | 8.5 | 3 |
| 175mm (7") | 200 | 200.5 | 8.8 | 9.8 | 3 |
| 200mm (8") | 225 | 225.5 | 10.0 | 11.2 | 3 |
| #240mm | 240 | 240.8 | 11.0 | 12.0 | 3 |
| 250mm (10") | 280 | 280.5 | 12.5 | 14.0 | 3 |

Note: #Marked pipe dimensions are as per company standard.

Casing Pipes conforming to ASTM D-1785

Recently we have introduced heavy duty casing pipes as per ASTM D-1785 specifications. These pipes are available in SCH 40 and SCH 80 varieties. Due to higher stiffness these pipes are strong and durable as compared to IS:12818 pipes.



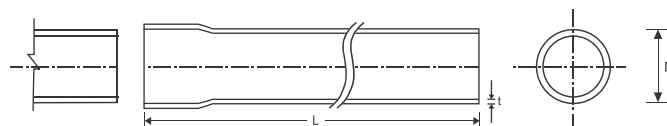
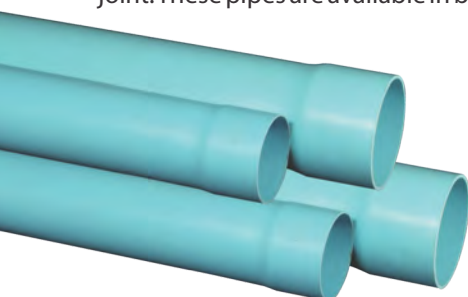
Dimensions of Casing Pipes as per ASTM D-1785

| Nominal sizes | Outer diameter (mm) | | Wall thickness (mm) | | | | Length (m) | Thread type |
|------------------|------------------------|--------|---------------------|-------|-------------|-------|---------------|----------------|
| | | | Schedule 40 | | Schedule 80 | | | |
| | Min | Max | Min | Max | Min | Max | | |
| 40mm (1½") | 48.11 | 48.41 | 3.68 | 4.19 | 5.08 | 5.69 | 3/6 | V |
| 50mm (2") | 60.17 | 60.47 | 3.91 | 4.42 | 5.54 | 6.20 | 3/6 | V |
| 80mm (3") | 88.70 | 89.10 | 5.49 | 6.15 | 7.01 | 7.49 | 3/6 | V |
| 100mm (4") | 114.07 | 114.53 | 6.02 | 6.73 | 8.56 | 9.58 | 3/5 | V |
| 150mm (6") | 168.00 | 168.56 | 7.11 | 7.97 | 10.97 | 12.29 | 5/3 | Square |
| 200mm (8") | 218.70 | 219.40 | 8.18 | 9.17 | 12.70 | 14.22 | 5/3 | Square |
| 250mm (10") | 272.67 | 273.43 | 9.27 | 10.39 | 15.06 | 16.86 | 3 | Square |
| 300mm (12") | 323.47 | 324.23 | 10.31 | 11.55 | 17.45 | 19.53 | 3 | Square |

Note: Pipe length is inclusive of socket length

SDR Casing Pipes

These economical pipes, manufactured as per company standards are suitable for shallow depths where soil formation is favorable. Use of these pipes for a particular application needs to be examined on case to case basis. One end of the pipe is plain whereas the other end is socketed for solvent weld joint. These pipes are available in blue colour.

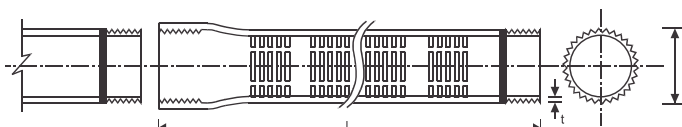


Dimensions of SDR Casing pipes

| Diameter of pipe (D) in mm | Tolerance in OD (mm) | Wall thickness (t) in mm | | Length L (m) |
|-------------------------------|-------------------------|--------------------------|------|-----------------|
| | | Min | Max | |
| SDR-35 | | | | |
| 110 | +0.4 | 3.10 | 3.50 | 6 |
| 140 | +0.5 | 4.00 | 4.60 | 6 |
| 160 | +0.5 | 4.50 | 4.90 | 6 |
| 180 | +0.6 | 5.10 | 5.60 | 6 |
| 200 | +0.6 | 5.70 | 6.30 | 6 |
| SDR-52 | | | | |
| 110 | +0.4 | 2.10 | 2.40 | 6 |
| 140 | +0.5 | 2.70 | 3.20 | 6 |
| 160 | +0.5 | 3.10 | 3.50 | 6 |
| 180 | +0.6 | 3.50 | 3.90 | 6 |
| 200 | +0.6 | 3.80 | 4.30 | 6 |

Ribbed Screen Casing Pipes

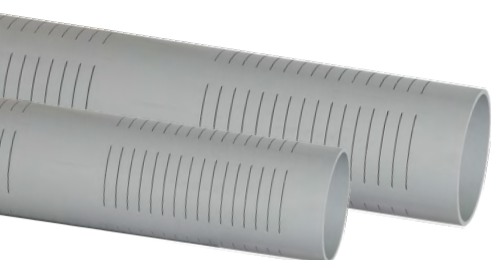
These pipes are provided with 'V' shape ribs on its exterior surface. The special design of this structure with fine slots provided on the pipes, prevent entry of even small particles and hence permeability of the screen is maintained. These pipes are normally used in combined wells or used for specific soil formation where normal screen pipes do not work, e.g., fine sand. These pipes are provided with male and female threaded ends.



Dimensions of Ribbed screen casing pipes

| Nominal sizes | Outer diameter (D) in mm | | Wall thickness (t) in mm | | Length L (m) |
|---------------|--------------------------|-------|--------------------------|------|--------------|
| | Min | Max | Min | Max | |
| 40mm (1½") | 52 | 52.2 | 3.5 | 4.0 | 3 |
| 50mm (2") | 64 | 64.2 | 4.0 | 4.6 | 3 |
| 80mm (3") | 92 | 92.3 | 4.0 | 4.6 | 3 |
| 100mm (4") | 117 | 117.3 | 5.0 | 5.7 | 3 |
| 125mm (5") | 144 | 144.4 | 6.5 | 7.3 | 3 |
| 150mm (6") | 169 | 169.4 | 7.5 | 8.5 | 3 |
| 175mm (7") | 204 | 204.5 | 8.8 | 9.8 | 3 |
| 200mm (8") | 229 | 229.5 | 10.0 | 11.2 | 3 |

Note: Ribbed screen pipes as per IS:12818 are available in blue colour.



Screen/Slotted Pipes

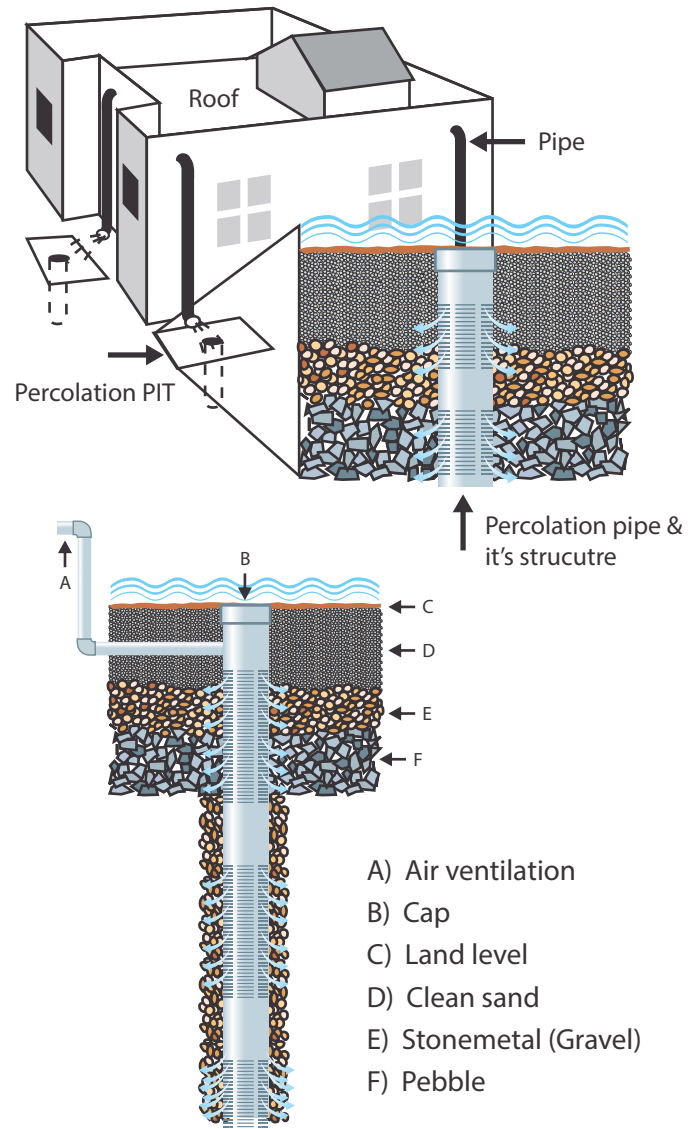
Screen or slotted pipes are used for casing in ground water section to allow water to enter inside the well. These pipes can also be used to provide soak-ways for the storm water/rain water to infiltrate it back into surrounding areas. Thus, we can recharge the ground water and prevent the run off of rain water. These percolation pipes can be used in roof top rain water harvesting in the form of percolation pit, to recharge the ground water. These pipes can also used to control and reduce the volume of rain water discharge into existing main sewer systems and water courses.

Dimensions details of Screen/Slots of Casing Pipes conforming to IS:12818-2010

| Size (mm) | No of Rows | Slot width (mm) | Distance between slots (mm) | Slot width (mm) | Distance between slots (mm) | Slot Length (mm) |
|-----------|------------|-----------------|-----------------------------|-----------------|-----------------------------|------------------|
| 35 | 3 | 0.5 | 6 | 1.5 | 9.5 | 25 |
| 40 | 3 | 0.5 | 6 | 1.5 | 9.5 | 28 |
| 50 | 3 | 0.5 | 6 | 1.5 | 9.5 | 36 |
| 80 | 3 | 0.5 | 6 | 1.5 | 9.5 | 56 |
| 100 | 5 | 0.5 | 6 | 1.5 | 9.5 | 43 |
| 115 | 5 | 0.5 | 5.5 | 1.5 | 8.5 | 48 |
| 125 | 5 | 0.5 | 5.5 | 1.5 | 8.5 | 48 |
| 150 | 5 | 0.5 | 5.5 | 1.5 | 8.5 | 57 |
| 175 | 5 | 0.5 | 5.5 | 1.5 | 8.5 | 56 |
| 200 | 6 | 0.5 | 5.5 | 1.5 | 8.5 | 65 |

Dimensions details of Screen/Slots of SDR pipes/ Pipes conforming to IS:4985 used as casing

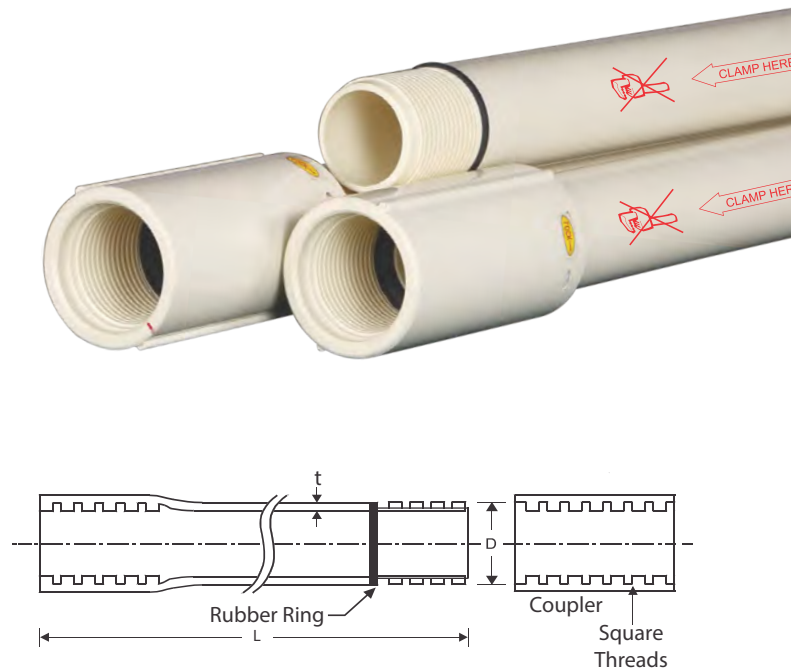
| Size (mm) | No of Rows | Slot width (mm) | Distance between slots (mm) | Slot Length (mm) |
|-----------|------------|-----------------|-----------------------------|------------------|
| 110 | 3 | 1.5 | 10 | 70 |
| 140 | 5 | 1.5 | 10 | 50 |
| 160 | 5 | 1.5 | 10 | 55 |
| 180 | 5 | 1.5 | 10 | 80 |
| 200 | 5 | 1.5 | 10 | 90 |
| 225 | 5 | 1.5 | 10 | 90 |
| 250 | 6 | 1.5 | 10 | 95 |
| 315 | 8 | 1.5 | 10 | 90 |
| 400 | 8 | 1.5 | 10 | 90 |



Column Pipes for Submersible Pumps

These pipes have been specially designed and are manufactured under stringent quality checks. They are tested to withstand system loads comprising the weight of the pump, water and pipe weight with adequate factor of safety. Due to unique design of square threads, they can withstand considerable shock and jerk loads during operation. Pipes supplied with separate couplers are integrally locked with the pipes. Couplers are locked with the pipes using wire lock or using special adhesives.

Light weight, high tensile load capacity, leak proof joints and longer life makes Supreme column pipes very economical. These features makes them superior option as compared to the conventional metal pipes. These pipes are available in 25 to 100mm (1" to 4") dia in different classes. Pipes have female belled threads at one end and male threads on the other end or with separate coupler as per the details given in the table. Pipes are available in 3m length with square threads fitted with rubber sealing ring at male threaded end. These pipes are available in 9 different varieties as per requirement based on installation depths from 90 to 450mtrs (for details refer the table).



Dimensions of Column Pipes for submersible pumps

| Size | | Outer diameter (D) in mm | | Wall thickness (t) in mm | | End type | Max. Working Pressure (Kg/cm ²) | Recommended installation depth (feet) |
|---------------------------------|------|--------------------------|-------|--------------------------|------|-----------------------------|---|---------------------------------------|
| mm | inch | Min | Max | Min | Max | | | |
| SMART DUTY (V4) | | | | | | | | |
| 25 | 1" | 33.3 | 33.6 | 1.6 | 1.9 | Coupler | 11 | 361 |
| 32 | 1¼" | 42.0 | 42.3 | 2.1 | 2.4 | Coupler | 13 | 426 |
| 40 | 1½" | 48.0 | 48.3 | 2.3 | 2.6 | Coupler | 12 | 394 |
| 50 | 2" | 60.0 | 60.3 | 2.4 | 2.7 | Coupler | 9 | 295 |
| LIGHT DUTY (BLUE SCREEN) | | | | | | | | |
| 25 | 1" | 33.3 | 33.6 | 1.7 | 2.0 | Male/Female or with Coupler | 13 | 426 |
| 32 | 1¼" | 42.0 | 42.3 | 2.4 | 2.7 | Male/Female or with Coupler | 15 | 492 |
| 40 | 1½" | 48.0 | 48.3 | 2.5 | 2.8 | Male/Female or with Coupler | 13 | 426 |
| 50 | 2" | 60.0 | 60.3 | 2.6 | 2.9 | Coupler | 11 | 361 |
| MEDIUM DUTY (ORANGE SCREEN) | | | | | | | | |
| 25 | 1" | 33.3 | 33.6 | 2.0 | 2.4 | Male/Female or with Coupler | 15 | 492 |
| 32 | 1¼" | 42.0 | 42.3 | 2.7 | 3.0 | Male/Female or with Coupler | 20 | 656 |
| 40 | 1½" | 48.0 | 48.3 | 2.8 | 3.1 | Male/Female or with Coupler | 16 | 525 |
| 50 | 2" | 60.0 | 60.3 | 2.9 | 3.2 | Coupler | 13 | 426 |
| 65 | 2½" | 75.0 | 75.3 | 3.0 | 3.3 | Coupler | 10 | 328 |
| 80 | 3" | 88.0 | 88.3 | 3.2 | 3.5 | Coupler | 11 | 361 |
| 80 (RE) | 3" | 88.0 | 88.3 | 2.9 | 3.2 | Coupler | 10 | 328 |
| 100 | 4" | 113.0 | 113.3 | 3.8 | 4.1 | Coupler | 10 | 328 |
| 100 (RE) | 4" | 113.0 | 113.3 | 3.6 | 4.0 | Coupler | 9 | 295 |
| SUPER MEDIUM DUTY | | | | | | | | |
| 25 | 1" | 33.3 | 33.6 | 2.4 | 2.7 | Male/Female or with Coupler | 22 | 722 |
| 40 | 1½" | 48.0 | 48.3 | 3.5 | 3.8 | Coupler | 21 | 689 |
| ECO STANDARD DUTY | | | | | | | | |
| 50 | 2" | 60.0 | 60.3 | 3.7 | 4.1 | Coupler | 20 | 656 |
| STANDARD DUTY (RED SCREEN) | | | | | | | | |
| 25 | 1" | 33.3 | 33.6 | 4.1 | 4.5 | Male/Female or with Coupler | 30 | 984 |
| 25 (RE) | 1" | 33.3 | 33.6 | 3.7 | 4.0 | Male/Female or with Coupler | 30 | 984 |
| 32 | 1¼" | 42.0 | 42.3 | 4.1 | 4.5 | Male/Female or with Coupler | 27 | 886 |
| 32 (RE) | 1¼" | 42.0 | 42.3 | 3.8 | 4.2 | Coupler | 27 | 886 |
| 40 | 1½" | 48.0 | 48.3 | 4.1 | 4.5 | Coupler | 27 | 886 |
| 40 (RE) | 1½" | 48.0 | 48.3 | 3.8 | 4.2 | Coupler | 25 | 820 |
| 50 | 2" | 60.0 | 60.3 | 4.1 | 4.5 | Coupler | 23 | 754 |
| 65 | 2½" | 75.0 | 75.3 | 4.2 | 4.8 | Coupler | 16 | 525 |
| 65 (RE) | 2½" | 75.0 | 75.3 | 4.0 | 4.4 | Coupler | 14 | 459 |
| 80 | 3" | 88.0 | 88.3 | 5.0 | 5.6 | Coupler | 17 | 558 |
| 80 (RE) | 3" | 88.0 | 88.3 | 4.6 | 5.0 | Coupler | 15 | 492 |
| 100 | 4" | 113.0 | 113.3 | 5.7 | 6.2 | Coupler | 15 | 492 |
| 100 (RE) | 4" | 113.0 | 113.3 | 5.3 | 5.8 | Coupler | 13 | 426 |
| HEAVY DUTY (GREEN SCREEN) | | | | | | | | |
| 32 | 1¼" | 42.0 | 42.3 | 5.2 | 5.8 | Coupler | 35 | 1148 |
| 32 (RE) | 1¼" | 42.0 | 42.3 | 4.7 | 5.1 | Coupler | 35 | 1148 |
| 40 | 1½" | 48.0 | 48.3 | 5.4 | 5.8 | Coupler | 35 | 1148 |
| 40 (RE) | 1½" | 48.0 | 48.3 | 5.0 | 5.5 | Coupler | 32 | 1050 |
| 50 | 2" | 60.0 | 60.3 | 5.6 | 6.0 | Coupler | 27 | 886 |
| 50 (RE) | 2" | 60.0 | 60.3 | 5.1 | 5.5 | Coupler | 27 | 886 |
| 65 | 2½" | 75.0 | 75.3 | 6.4 | 6.8 | Coupler | 25 | 820 |
| 65 (RE) | 2½" | 75.0 | 75.3 | 6.0 | 6.5 | Coupler | 22 | 722 |
| 80 | 3" | 88.0 | 88.3 | 7.3 | 7.8 | Coupler | 25 | 820 |
| 100 | 4" | 113.0 | 113.3 | 9.4 | 9.9 | Coupler | 25 | 820 |
| SUPER HEAVY DUTY (BLACK SCREEN) | | | | | | | | |
| 32 | 1¼" | 42.0 | 42.3 | 6.0 | 6.5 | Coupler | 45 | 1476 |
| 40 | 1½" | 48.0 | 48.3 | 6.2 | 6.6 | Coupler | 42 | 1378 |
| 40 (RE) | 1½" | 48.0 | 48.3 | 5.8 | 6.3 | Coupler | 42 | 1476 |
| 50 | 2" | 60.0 | 60.3 | 6.5 | 7.2 | Coupler | 35 | 1148 |
| 50 (RE) | 2" | 60.0 | 60.3 | 5.9 | 6.4 | Coupler | 35 | 1148 |
| 80 | 3" | 88.0 | 88.3 | 9.8 | 10.7 | Coupler | 35 | 1148 |
| SUPER MEDIUM DUTY (CRYSTAL) | | | | | | | | |
| 50 | 2" | 60.0 | 60.3 | 3.3 | 3.7 | Coupler | 17 | 558 |

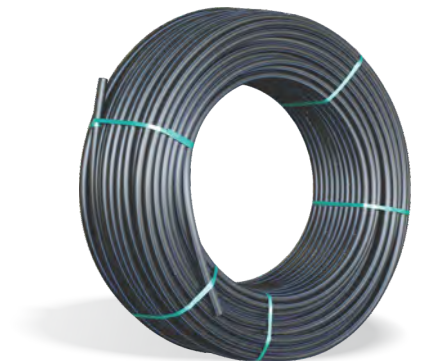
Note: Pipes are available in standard 3m length

PE Column Pipes

We also offer PE pipes for lowering submersible pumps. As they are free of any joints, the installation becomes very easy and quick. These pipes are made as per IS:4984. The product details are as given below: -

Coil specifications

| Standard diameter (mm) | Pressure rating | Coil length (m) | Application |
|------------------------|-----------------|------------------|-------------------|
| 32 | PN-6 | 300 and 500 | Jet pumps |
| 40 | PN-4 and PN-6 | 200, 300 and 500 | Jet pumps |
| 50 | PN-4 and PN-6 | 200 and 300 | Submersible pumps |
| 63 | PN-4 and PN-6 | 100, 200 and 300 | Submersible pumps |
| 75 | PN-4 and PN-6 | 100, 200 and 300 | Submersible pumps |
| 90 | PN-4 and PN-6 | 100 | Submersible pumps |
| 110 | PN-4 and PN-6 | 50 | Submersible pumps |



ACCESSORIES FOR BORE WELL APPLICATION

| Item Code | Size in mm | Socket Type | Box qty. | | Item Code | Size in mm | Socket Type | Box qty. | |
|--------------|------------|-------------|----------|--|--------------|-----------------|-------------|----------|--|
| FPCMCP003BL | 80 (3") | FTxFT | 40 |  Coupler | FPCMFTA001BL | 100 (4") | FT | 20 |  F.T.A. |
| FPCMCP004BL | 100 (4") | FTxFT | 20 | | | 150 (6") | FT | 8 | |
| FPCMCP005BL | 125 (5") | FTxFT | 15 | | | 200 (8") | FT | 6 | |
| FPCMCP006BL | 150 (6") | FTxFT | 10 | | | | | | |
| FPCMCP007BL | 175 (7") | FTxFT | 6 | | | | | | |
| FPCMCP008BL | 200 (8") | FTxFT | 4 | | | | | | |
| CM | | | |  End Cap | FPCMRED004BL | 100x80 (4"x3") | FTxS | 20 |  Reducer |
| FPCMCEP005BL | 125 (5") | FT | 15 | | FPCMRED006BL | 150x100 (6"x4") | FTxS | 8 | |
| FPCMCEP002LG | 150 (6") | FT | 10 | | FPCMRED009BL | 200x100 (8"x4") | FTxS | 4 | |
| FPCMCEP010BL | 175 (7") | FT | 10 | | FPCMRED008BL | 200x100 (8"x6") | FTxS | 4 | |
| FPCMCEP009BL | 200 (8") | FT | 8 | | | | | | |
| | | | | | | | | | |
| MEP8BCCP005B | 40 (1½") | FT | 100 |  Bottom Cap | 4100276 | 25 (1") | MTxMT | |  Top and Bottom Adapter |
| MEP8BCCP006B | 50 (2") | FT | 45 | | 4100278 | 32 (1¼") | MTxMT | | |
| MEP8BCCP009B | 100 (4") | FT | 21 | | 4100277 | 40 (1½") | MTxMT | | |
| MEP8BCCP010B | 125 (5") | FT | 15 | | 4100279 | 50 (2") | MTxMT | | |
| | | | | | 4100534 | 65 (2½") | MTxMT | | |
| | | | | | 4100535 | 80 (3") | MTxMT | | |
| CM | | | |  Adapter | 1602081 | 25 (1") | MT | |  Pump Guard |
| FPCMMA005BL | 100 (4") | MxF | | | | 32 (1¼") | MT | | |
| FPCMMA006BL | 150 (6") | MxF | | | 1602082 | 40 (1½") | MT | | |
| FPCMMA004BL | 100 (4") | MT | | | 1602083 | 50 (2") | MT | | |
| FPCMMA001BL | 150 (6") | MT | | | | 65 (2½") | MT | | |
| FPCMMA003BL | 175 (7") | MT | | | 4100545 | 80 (3") | MT | | |
| FPCMMA002BL | 200 (8") | MT | | | 4100546 | 100 (4") | MT | | |
| | | | |  M.T.A. | | 25 (1") | FT | |  Loop Bail Clamp |
| FPCMMA004BL | 100 (4") | MTxS | 20 | | | 32 (1¼") | FT | | |
| FPCMMA001BL | 150 (6") | MTxS | 8 | | 4100333 | 40 (1½") | FT | | |
| FPCMMA002BL | 200 (8") | MTxS | 6 | | | 50 (2") | FT | | |
| | | | | | | 65 (2½") | FT | | |
| | | | | | 4100541 | 100 (4") | FT | | |

Required transition adapters in difference sizes for easy fitting to threaded pipes, reducing adapter and lifting caps are available upon demand. Ends are provided with fine threads as per IS:554 where as other ends are square threads as per IS:12818. FT - Female threaded, MT - Male threaded.

THE SYSTEM

Supreme Rainbow® roof gutter system is the latest in design, look and featured with many advantages. Manufactured using uPVC this system comprises specially designed profiles (gutters), different types of fittings, clamps and accessories. Gutters and fittings are specially designed to meet the requirements of all types of sloped roofs buildings. Unlike other systems, Rainbow® is not exactly half cut system, but designed to give maximum flow with necessary freeboard. It means there is no possibility of spilling or overflow as it has high flow carrying capacity. Rainbow® is a classic 150mm size large capacity rainwater system, suitable for 310m² roof area with one down pipe. It connects to 110mm (4") circular down-pipe.

Rainbow® roof gutters are designed with longitudinal ribs for adequate strength and dimensional stability. The system is provided with specially designed rubber seals to give totally leak proof joints. This system is manufactured and tested as per European standard EN607. This superior quality roof gutter system is easy to install with brackets and clamps, which guarantees tight fit watertight joints.

Product Range

Pipes and fittings in 150mm size

Fields of Application

Supreme Rainbow® roof gutter system is designed for rainwater collection and disposal in residential and commercial buildings, garden shades, stores, industries, garages etc.

FEATURES AND BENEFITS

Unique design - This system is specially designed to accommodate high flow rates without overflow of rainwater even during heavy rainfall.

Strong and durable - Rainbow® roof gutters are provided with longitudinal ribs along the length which makes it strong and durable.

High carrying capacity - Due to excellent hydraulic properties and large cross sectional area, the carrying capacity of this system is considerable.

Easy and quick installation - Being light in weight, it is very easy to handle, transport and store. Installation of this system is very quick and convenient.

High corrosion resistance - Being immune to chemical, electrolytic and galvanic action, the system is absolutely free from corrosion. It does not require protective coating.

High chemical resistance - System has excellent resistance to acids, oxidizing agents, alkalis, oils and domestic effluents. Therefore, it is completely resistant to acid rainwater. This feature is particularly important in coastal regions and in areas with environmentally aggressive industries.

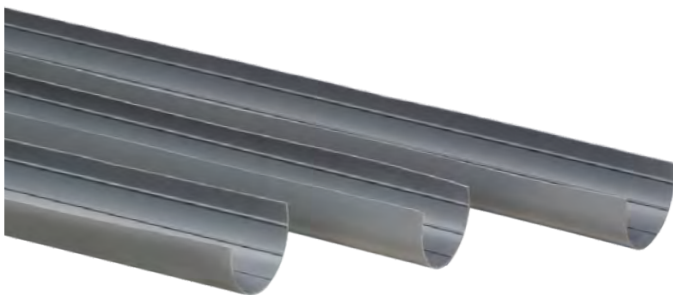
100% leak proof - This system is designed with special rubber rings to avoid leakage through joints.

Odorless and hygienic - It is ideal for carrying rainwater, as it is not subjected to any contamination. This is particularly important when rainwater is going to be reused.

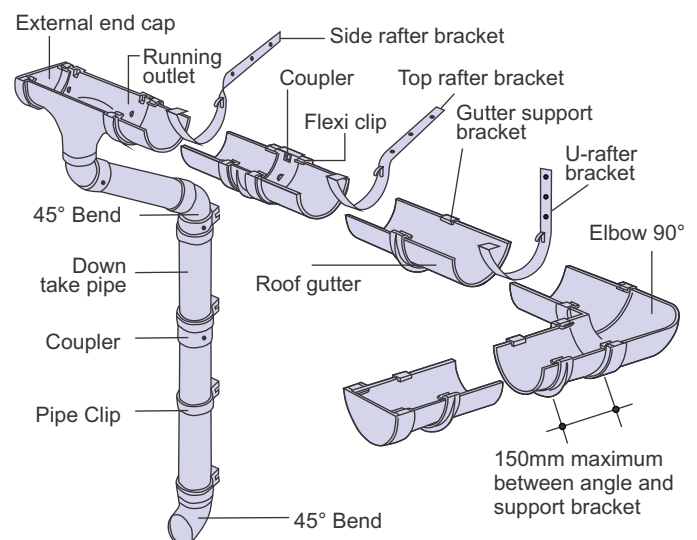
Elegant appearance - Due to smooth and glossy finish, Rainbow® components give an elegant appearance.

Maintenance free - This system is maintenance free and offers longevity and endurance at reasonable cost.






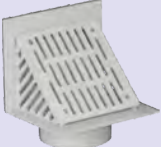




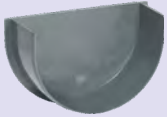






ROOF GUTTER



COMPONENTS OF RAINBOW® ROOF GUTTER SYSTEM



FITTINGS

| Item Code | Size in mm | Socket Type | Box qty. | | Item Code | Size in mm | Socket Type | Box qty. | |
|--------------|------------|-------------|----------|---|--------------|------------|-------------|----------|--|
| NP1SRRRC150D | 150 | RxR | 16 |  Coupler | NP2SPTDR009L | 110 | Spg | 8 |  Domed Roof Outlet |
| NP1SRRRE150D | 150 | RxR | 20 |  Elbow 90° | NP2SPTS110D | 110 | Spg | 8 |  Siphonic Roof Outlet |
| NP1SRRRO150D | 150x110 | RxRxSpg | 12 |  Running Outlet | NP1SPTRC110L | 110 | S | 20 |  Roof Corner Outlet |
| NP1SRRER150D | 150x110 | RxRxSpg | 12 |  Elbow 90° with Running Outlet | MP1SRRGB150D | 150 | | 80 |  Gutter Support Bracket |
| NP1SRREC150D | 150 | R | 45 |  External End Cap | LP1SRRFC150D | 150 | | 200 |  Flexi Clip |
| MP1SPTIE150D | 150 | Spg | 40 |  Internal End Cap | 4100461 | 150 | | |  Top Rafter Bracket |
| NP1SRSEO150D | 110 | RxSpg | 9 |  Stop End Outlet | 4100417 | 150 | | |  Side Rafter Bracket |
| NP1SPTEX110E | 110 | Spg | 30 |  Extended Balcony Drain | 4100469 | 150 | | |  U- Rafter Bracket |
| | | | | | 4100275 | 150 | | |  Adjustable Rafter |

THE SYSTEM

Rainwater filter is a very important component of any rainwater harvesting system. "Raingain" rainwater filter is uniquely designed to remove suspended leaves, dirt, debris or any suspended solid particles in the rainwater collected from the roof. A filter unit is provided with a stainless steel strainer with fine mesh for effective filtration before it is allowed to enter into the storage tank or recharge pit or well. This filter with self-cleansing ability works on the principle of gravity, cohesive and centrifugal force without any need of external power supply.

Rainwater Harvesting System

Rainwater from the building roof tops is normally collected using a open or closed piping systems (Rainbow® roof gutter system or closed conduits). It is mandatory to filter the rainwater before allowing it to be harvested. Storage of filtered water for reuse using storage tanks and/or recharging ground water are the two ways of rainwater harvesting. Thus any rainwater harvesting system comprises - rainwater collection system, filters, storage tanks or ground water recharge pit or recharge well or bore well. Normally rainwater filters are mounted on the exterior face of a wall little above the ground level where down-take rainwater pipe can be directly connected to inlet of the filter. A strainer fitted in the filter unit removes suspended solid particles through drain outlet at the bottom and filtered water is discharged through a pipe connected to the outlet. This filtered water can be discharged to either a storage tank for reuse or for recharging ground water.

FEATURES AND BENEFITS

- Unique, compact and stable design.
- Strong, durable and long lasting.
- High and consistent filtration efficiency.
- The filter efficiency remains constant even with a variation in the intensity of rainfall.
- Suitable up to 2500 sq ft roof areas.
- Flexibility in pipe connection for any angle and degree.
- Simple and quick installation.
- Self-cleaning mechanism.
- Easy to inspect and maintain through large inspection opening.

Working Mechanism

"Raingain" rainwater filter works on the principle of gravity, cohesive and centrifugal forces depending on the intensity of rainfall. When the intensity is low, it works on cohesive force and when intense, it works by gravity and centrifugal force. When collected rainwater along with suspended solid particles enters tangentially into the filter through inlet, it rotates slowly



| Item Code | Size in mm | Socket Type | Box qty. |
|--------------|------------|-------------|----------|
| RAINFILTERBK | 225x90 | RxSpg | 1 |

along the inside periphery of upper unit and through the strainer fitted inside the filter body. Because of cohesive force of water, solid dirt particles segregate from rainwater. While solid particles are removed from bottom of the filter, clear water is discharged through outlet given on the bottom unit in tangential direction. When the intensity of rainfall increases, large volume of water at high velocity moves in a circular motion in the upper unit and the strainer creating a centrifugal action. Due to this, water revolving on strainer gets filtered through its mesh and separated dirt falls down by gravity through drain pipe. Clean and filtered water collected from the filter outlet is utilized for rainwater harvesting.

Technical Specifications

| Sr. No. | Parameter | Specification and Size |
|---------|------------------------|---|
| 1 | Suitable for | Up to 2500 ft ² area |
| 2 | Max rainfall intensity | 75mm/hr |
| 3 | Working principle | Gravity, Centrifugal force and Cohesive force |
| 4 | Operating pressure | less than 2 ft of head |
| 5 | Filtration capacity | 240 LPM |
| 6 | Filter body | HDPE |
| 7 | Filter strainer | Stainless steel |
| 8 | Mesh size | 250 μ |
| 9 | Inlet | 90mm |
| 10 | Clean water outlet | 90mm |
| 11 | Drain outlet | 90mm |
| 12 | Efficiency of filter | Approx 90% |

- Any specification may change without prior notice.
- All information contained in this literature is given in good faith and believed to be accurate and reliable. Because of many factors which may be outside our knowledge and control and affect the use of the product, no warranty is given or implied with respect to such information, nor do we offer any warranty of immunity against patent infringement. No responsibility can be accepted for any error, omissions or incorrect assumptions.



Knowledge Centre

... a concurrent knowledge sharing platform

Transforming Through Training and Up-skilling

Besides introducing new and advance products on regular basis, the Supreme Industries Ltd. is also known for its remarkable contribution in training and up-skilling.

Supreme's state of the art Knowledge Centre located at Gadegaon, acts like a 'Gurukul' for the plumbing fraternity. This first of its kind knowledge centre has proved to be a very effective platform in imparting training and making the trained workforce available to the construction industry. The encouraging results of this knowledge centre has inspired us to establish three more such centre's at Ernakulam (KL), Malanpur near Gwalior (MP) and Kharagpur (WB) to reach out to as many plumbing professionals as is possible. The training imparted at these knowledge centres is in line with the Uniform Plumbing Code (UPC) and thousands of plumbing professionals gaining knowledge and are greatly benefitting by visiting our knowledge centres.

Besides the four Knowledge Centre's, our two new innovative endeavors like Plumbing Professional Training Programs and Plumbing Workshops are also helping us in imparting training to the various plumbing professionals on PAN India basis. Recently, we have started a new residential training program i.e. 'Advanced Plumbing Course' for the fresh candidates with an objective to develop their technical and professional skills in the areas of plumbing and water management. In our pursuit of skill development drive, we are also setting up full-fledged plumbing labs/excellence centres in association with reputed institutes at different locations in the country. All these efforts are commensurate with our objective of training and up-skilling to enhance the quality of plumbing practices.

Thus, we at Supreme are deeply committed to excellence in every field that we opted to operate for the betterment of society and the nation.



⌘ Auditorium



⌘ Hands on Demo Section



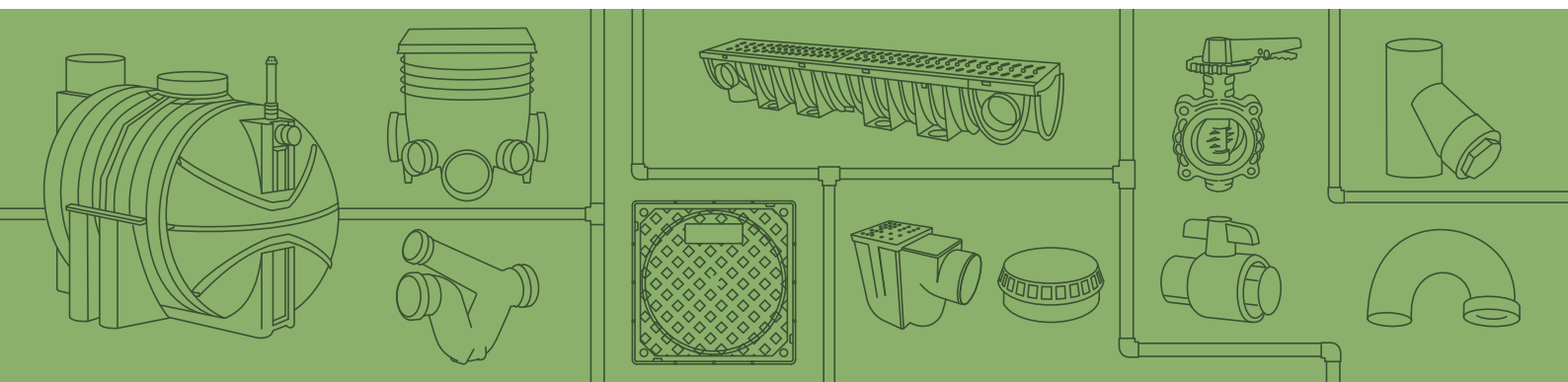
⌘ Plumber Training



⌘ Installed Display



⌘ PPT Program



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