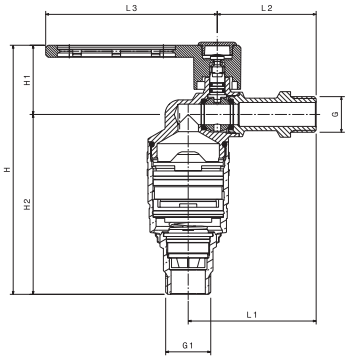
IMT ARMATUREN AG
Safe water for every application: the easy way to do it!

IMT SWITZERLAND 100% MADE IN EUROPE

IMT® SWITZERLAND

Fig. 300

Extraction valve with integrated backflow preventer type BA for drain systems or outdoor applications

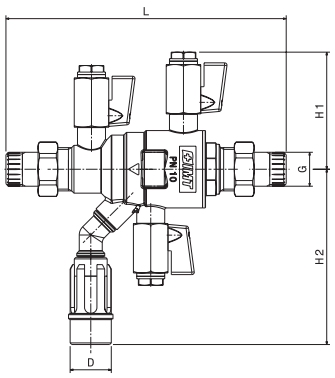


G	G1	L1	L2	L3	H	H1	H2
1/2"	3/4"	75	58	100	145	40	105
3/4"	3/4"	75	58	100	145	40	105
3/4"	1"	75	58	100	145	40	105

Dimensions in mm

Fig. 309

Backflow preventer type BA complete with 3 test cocks Fig. 581 DVGW certified

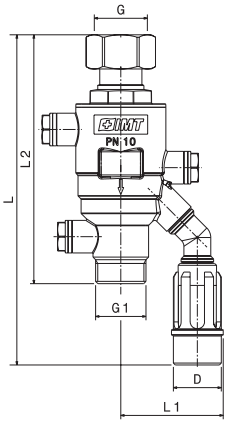


G	D	L	H1	H2
1/2"	25	170	71	107
3/4"	25	179	71	107

Dimensions in mm

Fig. 309V

Backflow preventer type BA for vertical application DVGW certified for in- and outdoor applications

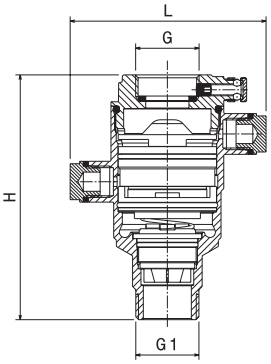


G	G1	D	L	L1	L2
3/4"	3/4"	25	172	54	130
3/4"	1"	25	172	54	130
1"	3/4"	25	172	54	130
1"	1"	25	172	54	130

Dimensions in mm

Fig. 302

Backflow preventer type BA designed for application on extraction valves/bibcocks with hose connection DVGW certified for applications on water columns

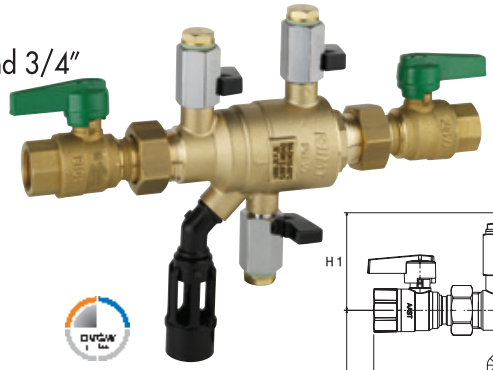


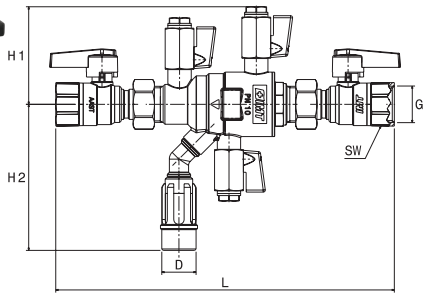
G	G1	H	L
3/4"	3/4"	102	82
1"	3/4"	102	82
1"	1"	102	82

Dimensions in mm

Fig. 303K

Backflow preventer assembly type BA 1/2″ and 3/4″
consisting of:
Backflow preventer type BA Fig. 309
3 test cocks Fig. 581 and
2 shutoff valves Fig. 583
DVGW certified

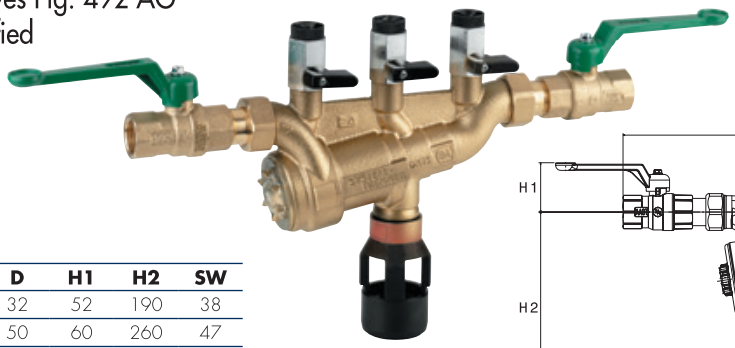


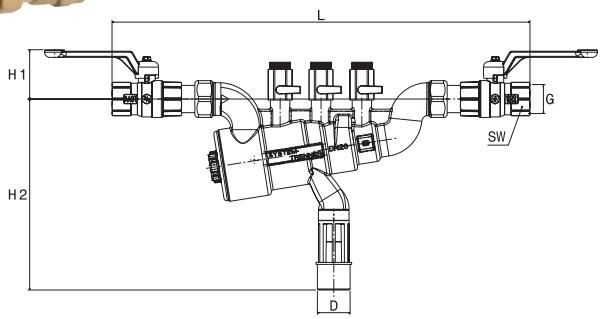


G	L	D	H1	H2	SW
1/2″	241	25	71	107	26
3/4″	247	25	71	107	32

Dimensions in mm

Backflow preventer assembly type BA from 1″ consisting of:
Backflow preventer type BA Fig. 311 complete with test cocks
2 shutoff valves Fig. 492 AG
DVGW certified



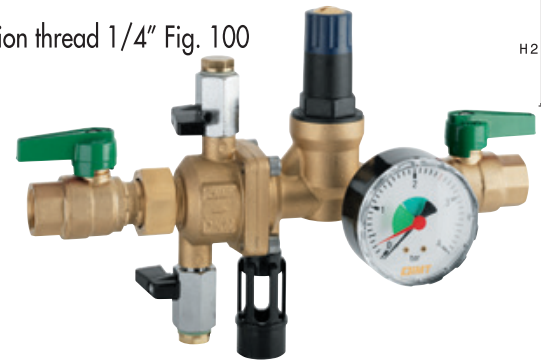


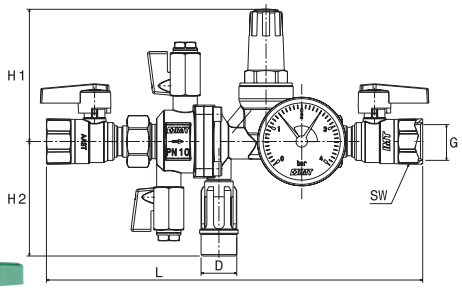
G	L	D	H1	H2	SW
1″	445	32	52	190	38
1 1/4″	580	50	60	260	47
1 1/2″	615	50	70	260	53
2″	670	50	90	265	66

Dimensions in mm

Fig. 305K

Filling assembly type BA, compact version, consisting of:
Backflow preventer type BA Fig. 301
Filling unit Fig. 260
Pressure gauge with connection thread 1/4″ Fig. 100
2 test cocks Fig. 581 and
2 shutoff valves Fig. 583
DVGW certified



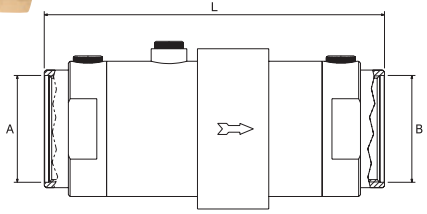


G	L	D	H1	H2	SW
1/2″	258	25	93	80	26
3/4″	264	25	93	80	32

Dimensions in mm

Fig. 307

Backflow preventer type BA
to complete water columns
16 possible types of connection
DVGW certified

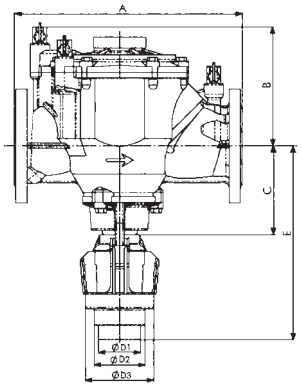


DN	A	B	L
40	1 1/2″ F or M	1 1/2″ F or M alt. 2″ F or M	190 (FxF) – 193 (FxM/MxF) – 196 (MxM)
50	2″ F or M	2″ F or M alt. 1 1/2″ F or M	190 (FxF) – 193 (FxM/MxF) – 196 (MxM)

Dimensions in mm

Fig. 308

Flanged backflow preventer type BA
complete with 3 test cocks
Flanged ends according to EN 1092



DN	A	B	C	E	D 1/2/3
65	360	200	137	290	75/90/120
80	400	214	157	341	-
100	450	234	163	347	-
150	540	259	186	370	-

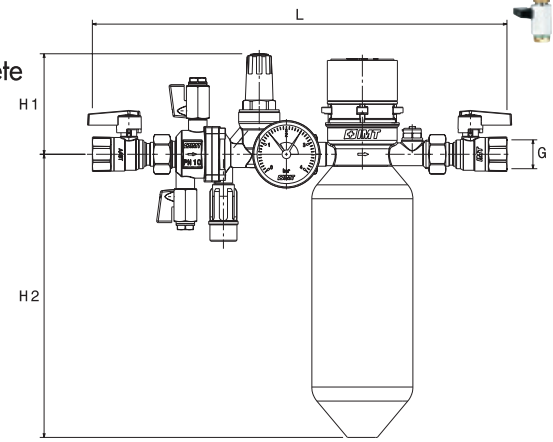
Dimensions in mm

Fig. 3000.TK

Test Kit for backflow preventers
Complete kit for the testing of IMT backflow preventers.
Available in a practical carrying case
Test Kit consisting of:
Differential pressure gauge 0 – 1,6 bar
2 hoses x 1 m with connection 3/8″
1 pressure gauge with 0 – 4 bar range
1 pressure gauge with 0 – 10 bar range
Gaskets
Connections 1/4″ and 1/2″

Fig. 321

Heating filling unit according to VDI 2035
consisting of:
Filling assembly type BA Fig. 305K
Heating demineralization unit complete
with water meter and cartridge
with capacity 4000° dH x Liter
Connections 1/2″ – 3/4″
Cartridge for the heating filling
unit available as spare part,
as Fig. 321.K



G	L	H1	H2
1/2″	382	93	536
3/4″	382	93	536

Dimensions in mm

Fig. 322.K

Cartridge for the first filling according to VDI 2035
with pH stabilizer specially designed for aluminium heat exchangers
Universal application

Max. flow in L/Min.	8
Max. Pressure	6 bar
Temperature rating max.	50°C
Capacity	5000° dH x Liter

We recommend the use with our backflow preventer Fig. 302 according to DIN EN 1717

IMT® SWITZERLAND

Water is a good which is so precious that the production and preservation of safe potable water must be everyone objective.
In order to preserve safe potable water against contamination the authorities have developed the European standard DIN EN 1717. The DIN 1988 Part 100 is the co-existing standard which sets the technical rules for drinking water installations (Protection of drinking water, drinking water quality control; DVGW code of practice).

The Standard DIN EN 1717 divides the fluids in 5 different categories based on the class of risk.
Potable water has to be protected through a backflow preventer in case the fluids can contaminate its quality.

All backflow preventers developed by IMT ARMATUREN are type BA. They provide protection against contamination up to class of risk 4, the one which may be protected through a device. The highest class of risk 5 has to be secured only through a free outlet.

The IMT ARMATUREN backflow preventers can be used everywhere to protect potable water against any type of contamination: garden valves, filling heating units, high pressure cleaners, agriculture, ground irrigation etc.
They meet the European standard for products EN 12729 and work according to the reduced pressure zone principle, the three-chamber system, where the intermediate pressure zone, separated from the other two through a check valve, vents automatically to the atmosphere when the pressure drop between upstream and intermediate pressure zone reaches 0,14 bar.

IMT offers a complete programme of compact and economically interesting backflow preventers. Among the available designs you may find for instance an extraction valve, in other words a bibcock with an integrated backflow preventer type BA (see Fig. 300). This product can be used in the garden to connect an irrigation unit. Also the item Fig. 302 is very interesting; it can be installed on an already existing bibcock.
With the backflow preventers Fig. 307 all existing water columns can be completed according to the European standard at reasonable costs (see DVGW worksheet W408).

Also the new item Fig. 309V belongs to this group: compact as the others and very simple to install, it is equipped with the drain and can be used everywhere it's necessary to have a connection with a drainage tubing.

The filling assembly Fig. 305K offers in one product all you need to fill and re-fill the heating system according to the standard: backflow preventer type BA, shutoff valve, pressure reducing valve, filling unit, pressure gauge and drainage.

Water columns

Garden

Cellar

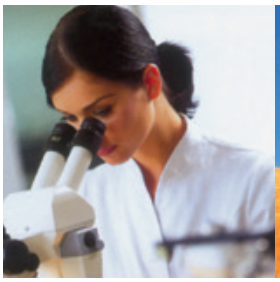
The heating filling unit Fig. 321 has been recently added to the IMT backflow preventer programme. It combines the filling assembly unit Fig. 305K with the water demineralization one Fig. 321.K and water meter. With the assembly Fig. 305K you avoid a water backflow in the potable water system and at the same time you treat water according to VDI 2035.

Thanks to a mixture of selected ion exchange resins and a pH stabilizer the water is demineralized and alkalized to pH values between 8,2 and 8,7. Also the hardness is reduced to <1° dH and water conductivity to < 100 µS/cm.
Water softening, demineralization, pH-stabilisation, reduction of water conductivity: all in one single device!

Maintenance

Safety devices need periodically maintenance as indicated in the norm, to avoid any problem due to contamination of potable water.
The backflow preventer for instance is to be checked at least once a year through qualified personnel who must keep records of this maintenance (there is a maintenance card foreseen for this purpose).

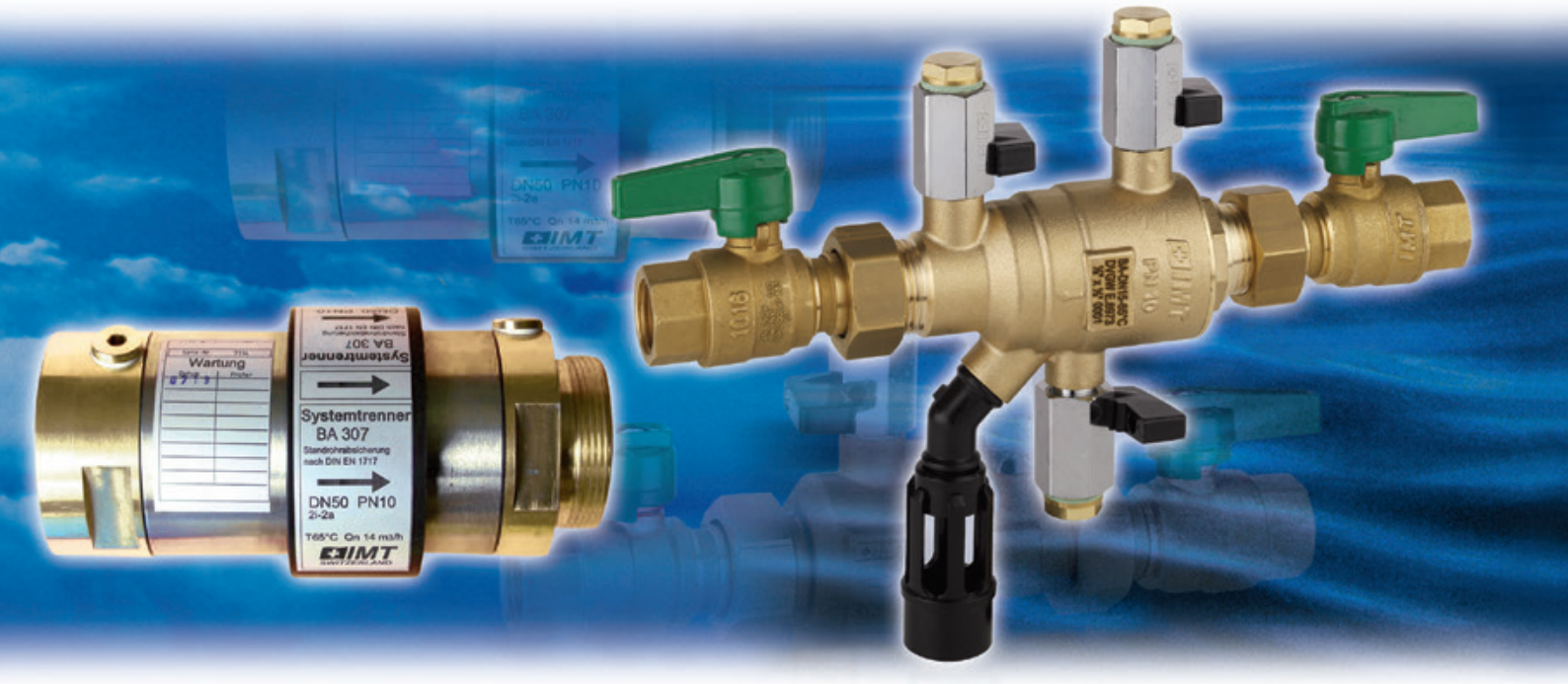
IMT offers also a complete test kit for backflow preventers, Fig. 3000.TK which enables personnel to perform their job as requested by the specs.



Laboratory units

Agriculture

Heating systems



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100% MADE IN EUROPE

Backflow preventers E-0216-02 1.500