



## **Forecourt Equipment**

The most sophisticated and comprehensive range of tyre inflation and self-service equipment for petrol filling stations and commercial sites.

## The PCL heritage

PCL is now celebrating 83 years since the first pressure gauges were designed and manufactured in Sheffield, England. Now part of the HORNGROUP adding the TECALEMIT fluid expertise, PCL is recognised as a global market leader in the design manufacture and distribution of tyre inflation and forecourt service equipment.

With over 80 years of knowledge of compressed air and fluid equipment we are able to utilise this experience in the petrol market. PCL's products are a familiar site around the world from petrol forecourts, tyre shops, workshops, factories and airports. PCL continues to expand globally utilising new smart technologies to ensure its customers get the latest products allowing them to deliver excellent services to their customers and drive their revenues.

















### The ranges

### Why PCL?

- 1. Extensive experience in meeting the needs of the Petrol Forecourt
- Wide range of equipment for delivering services to forecourt customers and driving revenue -2. Air, Water, Screenwash, Nitrogen (N2), AdBlue<sup>®</sup> (DEF)
- High quality and performance with all equipment built to meet the latest needs of the forecourt 3.
- Versatility bespoke capabilities and strong service to match 4.
- OEM services to meet the design needs of the forecourt service and equipment providers globally 5

#### **Freestanding Air & Water Towers**

PCL's Premium Tower units are available

with hose reels or coiled hoses to suit

in compressors and range of payment

cashless - suitable for use on modern

options - free vend, coin/token and

forecourts around the world.

market preference. Available with built

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**Nitrogen Towers** 

The increasing use of nitrogen in

Nitrogen range with the premium

tyres has led PCL to develop its

nitrogen and water towers and

space saving podiums.

& Podiums

PCL's "Multi" offers an opportunity for forecourts to provide a wide range of services to their customers including tyre inflation, water/screen wash, vacuum and fragrance all in one user friendly cabinet. Free vend, coin/token and cashless options available.

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#### Freestanding **Air & Water Podiums**

PCL offers a range of space saving air and water podiums, ideal for congested locations. Free vend or cashless payment options are available.



### Wall or Pedestal Units

PCL offers a range of free vend wall and pedestal units. Available with air only or air and water dispensing hoses.



### Handheld **Forecourt Units**

Featuring top end performance and design, PCL's handheld units meet all relevant safety standards and are suitable for both indoor and outdoors applications.



### **OEM Service & Kits**

As well as bespoke solutions. PCL also offers OEM kits where customers have their own cabinets /housing design but want access to PCL's proprietary systems and software.

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### Bespoke Solutions Available see page 12-13

Standard Unit Product Selector see page 26-27

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### Vacuum & **Fragrance Units**

Completing PCL's Forecourt portfolio is the "V" range of Vacuum and Fragrance machines which incorporate the latest digital technology.



## FREESTANDING AIR & WATER TOWERS & PODIUMS



The latest air and water tower with integrated reels designed and built in the UK is constructed to meet the exacting and testing demands of the modern petrol forecourt while also providing an attractive and stylish appearance.

The stainless steel or painted casings offer long life and the ability to resist the harsh environment while keeping the unit looking good. All the components from the housing through to the tyre inflator, the hoses and even the radiator filler are built for ease of use, reliability and long life.

These air towers can be customised from our standard specification to suit individual customer requirements.

#### **Key Benefits of Tower Range**

- Fast, accurate, safe tyre inflation
- Revenue / customer service generation opportunities
- Versatile and flexible with bespoke options to suit a range of market requirements
- Quick and easy installation
- Low life-cycle costs with robust and reliable components for forecourt use
- · Easy to operate for the road user
- Safe default to safe setting

### **FREESTANDING AIR & WATER TOWERS & PODIUMS**



### **Tower Range**

### **Key Features of Tower Range**

- Electronic pre-set pressure setting
- · Default to safe setting
- Audible and visual end-of-cycle signals
- Stainless steel or painted galvanized steel plain cabinets
- 30 mm LCD transflective backlit screen as standard
- Alternative tyre valve connectors available for all units (short-stem twin hold-on as standard)
- Bespoke graphical design or branded options
- Compressor options 5.5 or 10 bar
- Payment options Coin, Token, Cashless
- Hose options: Reels D95-98
  Coiled hose D90-93

### **Key Technical Information**

Complies to: BS EN 12645:2014 Most EU National Directives (details on request) Accuracy: To ± 0.5 % of full scale reading Display resolution: 1 psi / 0.1 bar Maximum inlet pressure: 232 psi / 16 bar Maximum inflation pressure: 145 psi / 10 bar Inflation flow: 400 l/min with 10 bar mains air supply

# MULTI-FUNCTION DIGITAL FORECOURT TOWERS

PCL's "Multi" offers an opportunity for forecourts to provide a wide range of services to their customers including tyre inflation, water/screen wash, vacuum and fragrance all in one user friendly cabinet. The "Multi" is specifically designed for forecourts and commercial sites, and can be tailored to the forecourts individual requirements offering a unique cost-effective package.

Utilising a robust stainless steel cabinet as standard that can be bolted to the ground, the units can include:

- Latest air unit with digital inflation technology, touch buttons and integrated reels
- Water and screen wash unit with integrated reel
- Power vacuum for trouble-free use and fast cleaning and with its bagless technology is simple to install, use and maintain
- Fragrance module with fragrance gun and 3m armoured hose
- A range of payment methods, cashless, coin and token

All services available within the one housing ensuring the unit packs a punch while offering proportional price control between the functions allowing customers to swap during vend.



### NEW PRODUCT

### FREESTANDING AIR & WATER TOWERS & PODIUMS



### **Multi-Function Tower Range**

### **Key Benefits**

- Cost-effective provision of range of valuable revenue generating forecourt services in one space saving unit
- Robust good-looking unit to attract customers to drive repeat business
- Customer friendly design with timers to increase market share and revenue
- Cost effective purchase and installation
- Low cost of ownership
- Bespoke options available to drive brand and revenues
- Range of payment options including cashless to suit local market

### **Model options**

- Full Multi Inflator, Vacuum, Screenwash (or Water), Fragrance
- Semi Inflator, Vacuum and either Screenwash (or Water) or Fragrance
- Dual Inflator and Vacuum
- Payment coin, token, cashless
- Bespoke graphical design or branded options
- Compressor options 5.5 or 10 bar

Complies to: BS EN 12645:2014 Most EU National Directives (details on request) 10.

PCL

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## D30 / D31 AIR & WATER PODIUMS

The new podium style is PCL's most cost effective and space saving free standing unit to date. Built in the UK, it is designed to meet the exacting and testing demands of the modern petrol forecourt while also providing an attractive, simple and stylish appearance.

The painted casings or stainless steel options offer long life and the ability to resist the harsh environment while keeping the unit looking good. All the components from the housing through to the tyre inflator and the hoses are built for ease of use, reliability and long life.

### Key Benefits of Podium Range

- PCL's most simple unit for fast, accurate, safe tyre inflation
- Space saving design
- Revenue / customer service generation opportunities
- Quick and easy installation
- Low life-cycle costs with robust and reliable components for forecourt use
- Easy to operate for the road user
- Safe default to safe setting after use

#### **Key Features of Podium Range**

- Electronic pre-set pressure setting
- Default to safe setting
- Audible and visual end-of-cycle signals
- Painted cabinets as standard
- 30 mm LCD transflective backlit screen as standard
- Payment options Free or Cashless payment only

### **Up and Over Air and Water Tower**

### **Key Benefits**

- Dual reel option for air and water with smaller footprint
- Space-saving design where space a premium
- Quick and easy installation
- Low life-cycle costs with robust and reliable components for forecourt use
- Easy to operate for the road user
- Safe default to safe setting after use

### **Key Features**

- Electronic pre-set pressure setting
- Touch screen buttons
- Space saving dual reel unit design
- High performance reels
- Audible and visual end-of-cycle signals
- Stainless steel or painted galvanized steel plain cabinets
- 30 mm LCD transflective backlit screen as standard
- BS EN 12645:2014

Dual screen with touch

FPCL

Free vend only



High performance hose reels



Stainless steel or plain cabinets options



### **AutoAir II**

### Key Benefits

- Simple unit for fast, accurate and safe tyre inflation
- Quick and easy installation
- Low life-cycle costs with robust and reliable components for forecourt use
- Easy to operate for the road user with dual screen
- Safe default to safe setting after use

### Key Features

- Electronic pre-set pressure setting
- Touch screen buttons
- Dual Screen
- Default to safe setting
- Audible and visual end-of-cycle signals
- Thumb lock connector
- Free vend only



Wall unit option available





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## FREESTANDING NITROGEN AND WATER TOWERS AND PODIUMS

The increasing use of nitrogen in tyres has led PCL to develop its new Nitrogen range with the premium N90 freestanding nitrogen generation tower and the more simple N30 podium style unit. These units provide the opportunity for car users to fill / top up their tyres on the forecourt while making an additional revenue opportunity for the forecourt.



The N90 range, built in the UK, is PCL's premium forecourt freestanding N2 unit offering a range of options. The N90 offers long life and the ability to resist the harsh environment while keeping the unit looking good. The cost effective design allows ease of use to the customer driving repeat business and increasing forecourt revenue and profitability.

### Key Benefits

- Fast, accurate, safe N2 tyre inflation
- Revenue / customer service generation opportunities
- Versatile and flexible with options to suit a range of market requirements
- Quick and easy installation
- Low life-cycle costs
- Easy to operate for the road user
- Safe default to safe setting after use

- Inflates tyres with N2 from Parker Membrane
- · Electronic pre-set pressure setting
- Default to safe setting
- Audible and visual end-of-cycle signals
- Stainless steel or plain cabinets
- 30 mm LCD transflective backlit screen as standard
- Payment options Token, Coin, Cashless
- Hose Single or 4 Hose with water hose option
- Guaranteed accuracy with individual testing calibration certificate supplied

### FREESTANDING NITROGEN AND WATER TOWERS AND PODIUMS



### Nitrogen Podium

The N30 / N31 freestanding nitrogen podium is PCL's simplest Nitrogen unit for the petrol forecourt providing an attractive, space-saving and cost-effective design to serve customers, drive repeat business and increase profitability.

### Key Benefits

- Fast, accurate, safe N2 tyre inflation
- PCL's most simple, space-saving and cost-effective forecourt N2 unit
- Quick and easy installation
- Low life-cycle costs
- Easy to operate for the road user
- Safe default to safe setting after use
- Revenue / customer service generation opportunities
- Cashless payment system option

- Inflates tyres with N2 from Parker Membrane
- Smaller cabinet size
- Electronic pre-set pressure setting
- Audible and visual end-of-cycle signals
- 30 mm LCD transflective backlit screen as standard
- Guaranteed accuracy with individual testing calibration certificate supplied
- Payment option Cashless only
- BS EN 12645:2014

## **CREATE YOUR OWN**

With an experienced team of design and engineering professionals at our Sheffield HQ, PCL now has the ability to create bespoke options and designs for customer specific forecourt air towers. By working with you to create a design to meet your own specific requirements, or to simply give your product corporate branding, we can proudly boast one of the best design facilities in the world.

On top of bespoke designs PCL can also create units with additional software and technological advancements to allow the operator to monitor and capture data from the machines. This can be anything from modem installation for remote monitoring to parameter adjustments and GPRS software. All in all PCL has the experience and ability to design and build anything to suit customer requirements. PCL can also offer a bespoke consultancy service to produce specific software adjustments to meet exact customer requirements. This service has already been successfully integrated into air towers for some of the world's biggest oil companies and retail giants.

#### **Product Options**

- Futuristic designs and concepts stand out from the crowd!
- Corporate branded, colour matched paintwork
- Multitude of configurations for internal mechanisms
- Integrated membrane Nitrogen generation systems
  built-in
- Payment Coin, Token, Cashless with or without lockable coin vault
- Hose reels
- Diesel emission fluid / AdBlue

#### **Software Options**

- Modem installation for remote system monitoring
- Internet/email GPRS data interrogation
- Coin mechanism/counter remotely monitored via modem and GPRS
- Cashless systems
- Data capture and logging
- Data transfer to remote printout
- Multi-tyre inflation systems
- Parameter and special inflation adjustments to meet bespoke applications
- Bespoke inflation systems with PC integration
- Graphical User Interface via VGA and touchscreen displays
- Nitrogen 'purge and fill' software and Nitrogen purity monitoring
- Fluid management

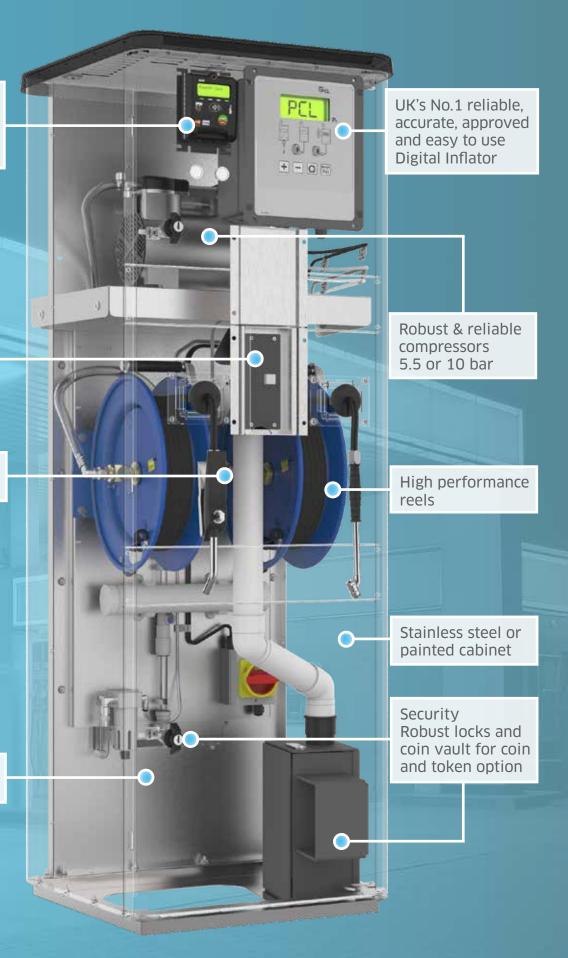




Vending options a. Free air b. Coin & Token c. Cashless

Water/ Screenwash Options available

Bespoke graphical designs



## ACCURA D10 TYRE INFLATORS

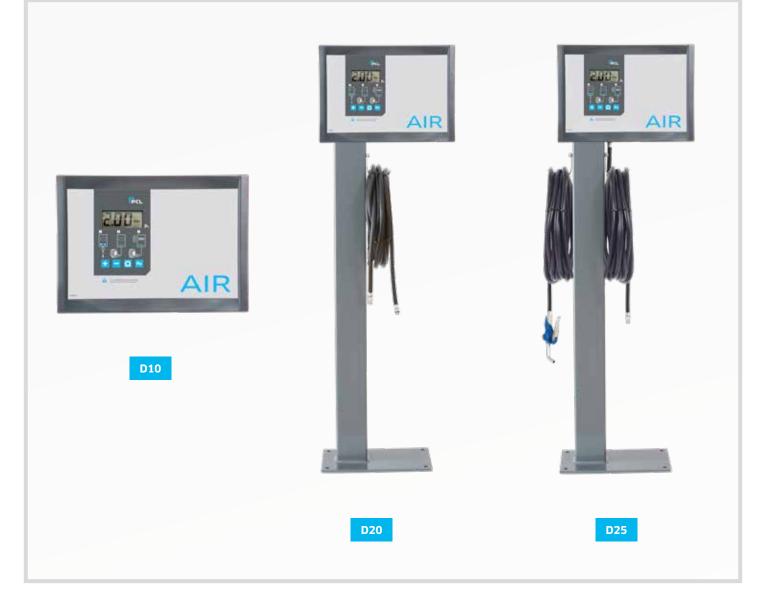


PCL's ACCURA D10 Tyre Inflators are trusted, reliable "menu-driven" units found on petrol forecourts throughout the world.

Suitable for petrol filling stations, the electronic pre-set units capture new digital technology in a modern, aesthetic design, offering repeatable accuracy and reduced maintenance and lifetime costs. The easy-to-use ACCURA D10 Tyre Inflator range includes a range wall-mounted and pedestal units, and a forecourt self-contained unit with retractable air and water reels.

All use auto-start inflation and default to safe setting, and provide the user with higher safety, increased fuel economy, and extended tyre life.

www.pclairtechnology.com



### **ACCURA D10 Tyre Inflator**

### **Key Benefits**

- Consistent cost effective provision of high levels
  of safe air inflation services
- Low life-cycle costs long product life with robust design and proven electronics
- Low and simple maintenance with excellent diagnostics
- Customised software available to meet individual customer needs
- Bespoke graphical designs or corporate branding options available
- Guaranteed accuracy with individual testing calibration certificate supplied

- High flow solenoid
- Electronic capacitive touch buttons
- High speed microprocessor
- · Electronic pre-set pressure setting
- Full menu-driven list of options
- Auto-start inflation
- Default to safe setting
- Robust die-cast aluminum housing
- Can inflate accurately with hoses up to 50 m in length
- Comprehensive diagnostics and error reporting
  additional inputs/outputs for complete customisation
- Dual screen option available for digital read-out units
- 230 v, 100/120 v and 12 v versions available
- BS EN 12645:2014

## ACCURA A10 TYRE INFLATORS

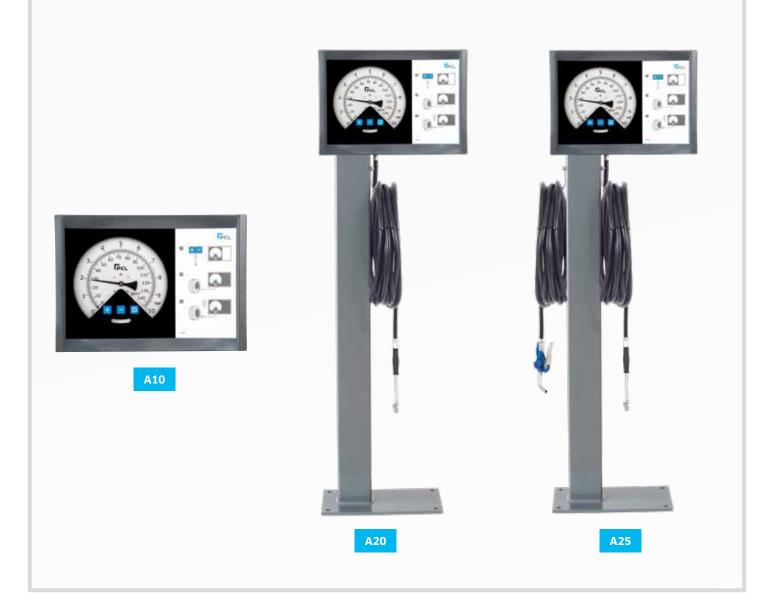


This ACCURA A10 Tyre Inflator unit represents all the benefits of digital technology but with the attributes of a traditional analogue display.

Suitable for petrol filling stations, the electronic pre-set units capture new digital technology in a modern, aesthetic design, offering repeatable accuracy and reduced maintenance and lifetime costs. The easy-to-use ACCURA range includes wall-mounted and pedestal units, and a forecourt self-contained unit with retractable air and water reels.

All use auto-start inflation and default to safe setting, and provide the user with higher safety, increased fuel economy and extended tyre life.

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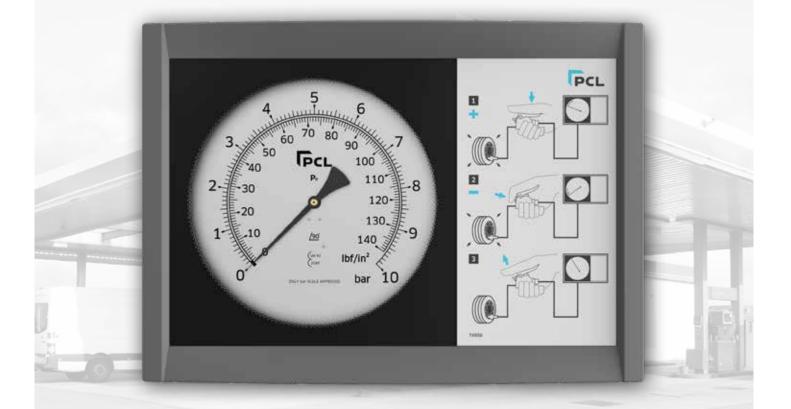
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- Dual screen option available for digital read-out units
- 230 v, 100/120 v and 12 v versions available
- Can inflate accurately with hoses up to 50 m in length
- Water hose and dispenser option available

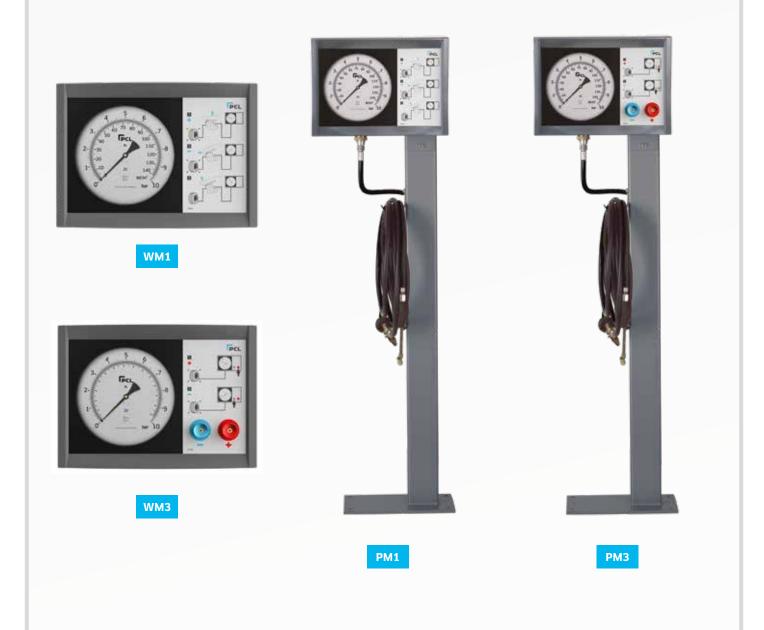
## MECHANICAL INFLATION UNITS



PCL's "Made in Sheffield" Wall Meters offer a simple and sturdy inflation solution for busy garage forecourts.

The PCL range of tyre inflators reflects the continual innovation provided by the company's design team – and the enduring popularity of the mechanical Wall Meter stands testament to the company's ability to make products which last. Manufactured in Sheffield to the highest quality standards, the Wall Meter features an easy-to-read dial with clear, impactresistant toughened glass cover, and provides a choice of calibration, and easily detachable hose.

A push-button version is available.



### Wall & Post Meters

### Key Benefits

- Multitude of options for ultimate flexibility
- Easy to read large dial display
- Clear impact-resistant toughened glass dial cover
- Powder coated outer casing giving a hard, durable, anti-rust finish
- Easily detachable hose
- Can inflate accurately with hoses up to 50 m

- BS EN 12645:2014
- Auto start inflation
- Clear 200 mm metallic dial
- Default to safe setting
- Robust die-cast aluminum housing
- Wall or pedestal mounting
- Choice of connectors available
- Choice of calibrations available
- 7.6 m hose as standard

## AIRFORCE® MK4 TYRE INFLATORS

The AIRFORCE<sup>®</sup> MK4 Tyre Inflator is as robust as ever and highly accurate, offering leading inflation and deflation rates and high performance for both indoor and outdoor applications. Meanwhile the redesigned piston and seal arrangement means increased accuracy - cycle tests now give over 400,000 inflation cycles at 100% accuracy - over 50% more than previously!

### Key Benefits

- · Clear view of pressure readings Less mistakes
- Ergonomic, easier to use, less prone to damage when dropped
- · Fast and accurate reading of results
- Less work strain and easier for repetitive use
- Longer life and improved accuracy

- New biomorphic shape
- Simplified 2 stage mechanism
- Larger window gives 20% greater field of viewing
- Individually tested and certified against national approved gauges
- New piston and seal design

## ACCURA® MK4 DIGITAL TYRE INFLATORS

The ACCURA® MK4 Digital Tyre Inflator marries the ruggedness of a metal analogue inflator with the lightness, accuracy and ease of use of a digital gauge. As robust as ever and highly accurate, offering leading inflation and deflation rates with high performance for both indoor and outdoor applications. The large size LCD, backlit screen and selectable units of pressure reading make this the most versatile digital handheld product PCL has ever launched. With a new, short slimline body design, the gauge is the lightest metal bodied gauge on the market, with a biomorphic shape to give increased comfort in use.

### Key Benefits

- Long accurate life expectancy
- Easy to use with reduced fatigue
- Versatile and flexible saving time and money
- High accuracy and speed

- Extremely robust aluminum body
- Lightweight biomorphic design
- Higher pressure range for multiple applications 4 – 250 psi range
- Permanently backlit in use
- Auto off after 25 seconds no-use
- Individually tested and certified against national approved gauges

## VACUUM AND FRAGRANCE TOWER

WARNING

PCL's latest "V" range of Forecourt equipment includes a new Vacuum range with both a standalone Vacuum unit and a combined Vacuum and Fragrance tower. The units incorporate the latest digital technology and are specifically designed for use on forecourts and commercial sites. The "V" range can operate by either cashless or coin or token.

Utilising a robust stainless steel cabinet as standard that can be bolted to the ground, the units include a powerful vacuum for trouble-free use and fast cleaning and with its bagless technology simple to install, use and maintain. To the vacuum unit can be added a Fragrance module featuring a fragrance gun with 3m armoured hose. The new V range rapidly enables a forecourt or commercial site to offer a highly effective service to its customer base while also offering excellent revenue-generating potential.

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### VACUUM AND FRAGRANCE TOWER



### **Key Benefits**

- Robust, good looking unit to attract customers to drive repeat revenues
- Customer friendly design with clear count down timer to increase market share
- Low cost of ownership
- Bespoke options available to drive brand and revenues
- Range of payment options including cashless increasing security and lowering cash handling costs

#### **Fragrance option**

Additional revenue opportunity

### **Key Features**

- Powerful vacuum bypass motor
- PCL electronic controller used to manage the transaction and time
- 5m anti crush vacuum hose with crevice tool
- Removable cash box or vault
- Proportional price control
- Self-cleaning Goretex filters 98% of particles at 0.3 microns
- No paper bags required
- Removable dust bucket 15 ltr / 3.3 UK Gallons
- Available in stainless steel or painted cabinet

#### **Fragrance option**

- Display shows "VAC" or "FRA" with customer able to swap during vend and audible warning
- Easy programmable purchase price and vacuum/ fragrance time
- Robust fragrance gun, 4 m armored hose



### **Standard Digital OEM Inflation Box**

As an experienced designer and manufacturer of forecourt tyre inflation solutions, PCL can build bespoke OEM inflation 'kits' where customers have their own cabinets/housings but want a reliable and highly accurate software system.

### Key Features & Benefits

- Hardened plastic housing with pre-drilled mounting holes for easy fixing
- IP65 rated for indoor or outdoor use
- New electronic capacitive touch buttons
- 30 mm LCD transflective display screen for easy reading day or night

### Software Options Include (But not limited to)

- Modem installation for remote system monitoring
- Internet/e-mail GPRS data interrogation
- Coin mechanism/counter remotely monitored via a modem and GPRS
- Data capture and logging
- Multi-tyre inflation systems
- Parameter and special inflation adjustments to meet bespoke applications
- Bespoke inflation systems with PC integration
- Data transfer to remote printout
- Graphical/user interface via VGA and touch-screen displays
- Forecourt Nitrogen purge facility integration



## - FORECOURT SOLUTIONS -DIRECT FROM A WORLD LEADER



### STANDARD UNIT PRODUCT SELECTOR

### Standard Freestanding Air & Water Towers & Podiums

SPECIFICATION	D30	D31	<b>D90</b>	D91	D92	D93	D95	D96	D97	D98	117 300 000	117 310 000
Podium cabinet												
Tower cabinet					•	•						
Large Tower cabinet												
Autoair cabinet											•	•
Internal wire braided hose							•	•	•	•		
Internal compressor (standard 7 bar maximum)					•	•						
Slow retracing air reel c/w 7.62 m hose and twin hold-on connector							•	•	•	•		
Slow retracting water reel c/w 4 m hose and dispenser								•				
Coiled 7.5 m black PU air hose and twin hold-on connector	•	•			•	•						
Coiled 7.5 m water hose and dispenser		•				•						
Coiled 10 m PU air hose c/w lever valve connector											•	
Loose 8 m hose c/w lever valve connector												•
Stainless steel cabinet option					•	•	•	•				
White painted cabinet option	•	•	•		•	•	•	•				
Coin mechanism option					•	•	•					
Lockable coin vault												

### **Standard Wall or Pedestal Mounted Digital Inflation Units**

SPECIFICATION	D10	D20	D25	A10	A20	A25
30 mm backlit transflective LCD screen	•	•	•			
Analogue dial display screen				•	•	•
Customisable graphics	•	•	•			
High pressure options (16 or 22 bar)	•	•	•			
For wall mounting	•			•		
Pedestal mounted as standard		•	•		•	•
Loose 7.6 m air hose and twin hold-on connector	•	•	•	•	•	•
Loose 7.6 m water hose and dispenser			•	·		•

### Standard Freestanding Nitrogen and Water Towers and Podiums

N30	N31	N90	N91
•	•		
		•	•
•	•	•	•
	•		•
•	•	•	•
		•	•
•	•	•	•
•	•	•	•
		•	•
		•	•
	N30		

### STANDARD UNIT PRODUCT SELECTOR

### **Multi-Function Digital Forecourt Towers**

SPECIFICATION	D136DS10TS	D136DS10T	D135DS10TS	D135DS10T	D125DS10T
Air	•	•	•	•	•
Screenwash	•		•		
Water		•		•	
Vacuum	•	•	•	•	•
Fragrance	•	•			

### **Standard Wall or Pedestal Mounted Mechanical Inflation Units**

SPECIFICATION	WM1	WM2	WM3	PM1
For wall mounting	•	•	•	
Pedestal mounted				•
Co-axial 7.6 m air hose	•			•
Twin twisted 7.6 m air hose		•		
Coiled black nylon 7.6 m air hose			•	
Push button			•	

### **Standard Vacuum & Fragrance Units**

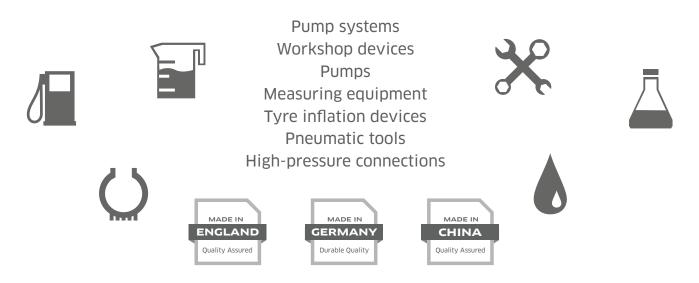
SPECIFICATION	V950	V960
Stainless steel cabinet option	•	•
White painted cabinet option	•	•
Vacuum unit	•	•
5m anti crush vacuum hose with crevice tool	•	•
Fragrance unit		•
Robust fragrance gun with 3m hose		•
Cashless and token payment options	•	•
Vault options	•	•

### Standard Unit Product Selector Matrix

SPECIFICATION	AFG4*03	AFG4*031	AFG4*04	DAC403	DAC*04
Linear gauge	•	•	•		
Electronic gauge				•	•
21 in hose	•		•	•	•
14 in hose		•			
Twin hold-on connector	•			•	
Single clip-on connector			•		•
Short stem hold-on connector		•			



HORNGROUP's range of products and services focuses on the following areas:



All orders are subject to our standard terms and conditions – available on request. In line with our continuous improvement programme, we reserve the right to amend or revise the specification of our products without prior notice. Published September 2021. E. & O.E.

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A HORNGROUP BRAND