

Forecourt Inflation Towers – the latest high performance inflation solutions

The latest Forecourt Inflation Towers are designed to meet the exacting and testing demands of the modern petrol forecourt while also providing a modern and stylish appearance. The stainless steel casing offers long life and the ability to resist the harsh environment while keeping the unit looking attractive. All the components from the housing through to the inflator and accessories are built for ease of use, reliability and long life.

The range includes a product for all requirements with air, water and coin/token mechanism options able to house standalone compressors. The ability to incorporate a compressor makes it the ultimate in flexibility whether mains air is available or not.

All units combine a user friendly, robust design with leading sensor technology, electronics and proprietary software giving consistent extremely accurate tyre pressure measurement.

Key Benefits

- Consistent cost effective provision of high levels of safe tyre inflation
- Low life-cycle costs
- Fully self-contained units
- Robust and reliable design
- High flexibility – wide choice of options
- Easy and safe to operate
- Suitable where mains air is not available

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Key Features

- Touch screen technology
- Accurate and repeatable inflation
- Electronic preset pressure setting
- Quick, easy installation
- Easy access for service engineers
- Full menu driven list of options to suit every requirement
- Auto start function
- Default to safe setting
- High quality ceramic sensor
- Audible and visual end of cycle signal
- 304L Stainless steel (grade 1.4307) construction
- High quality options
 - Water and air
 - Coin or token mechanism
 - Internal compressor
 - Internal heater

Operational Specification

- IP Rating – IP44
- Auto Zero drift correction
- 30 mm backlit transreflective LCD
- Auto-start inflation
- Audible and visual end of cycle signals
- Default to safe setting

Optional Features

- Hose type and length
- Connector type
- Powder coat colours on request

Technical Specifications

Dimensions

Height: 1460 mm
 Width: 390 mm
 Depth: 270 mm

Hose Lengths

Air hose: 7.5 m coiled
 Water hose: 7.5 m coiled

Environmental

Operating Temperature: -20 °C to 70 °C
 Storage Temperature: -30 °C to 80 °C
 Humidity Range: Up to 95 % RH non-condensing

Electrical Interface

Voltage Nominal: 230 Vac 100/120 Vac
 Min.: 175 Vac 75 Vac
 Max.: 265 Vac 140 Vac
 Current Typical (idle): 0.1 A 0.1 A
 Max.: 0.7 A 0.7 A

Pressure Measurement

Accuracy: To ± 0.5 % of full scale reading
 Reading Accuracy: 1 psi/0.1 bar

	12 bar Mains Air	7 bar Compressor	10 bar Compressor
Max. Inlet Pressure:	232 psi 16 bar	102 psi 7 bar	155 psi 10 bar
Max. Inflation Pressure:	145 psi 10 bar	80 psi 5.5 bar	145 psi 10 bar

Inflation Speed

	12 bar Mains Air	7 bar Compressor	10 bar Compressor
Inflation flow to 2 bar:	400 l/min 14.1 cfm	76 l/min 2.7 cfm	98 l/min 3.5 cfm
Inflation flow to 5 bar:	400 l/min 14.1 cfm	50 l/min 1.8 cfm	72 l/min 2.5 cfm
Inflation flow to 8 bar:	400 l/min 14.1 cfm	n/a	55 l/min 1.9 cfm

Compliance

Complies to: EC Directive 86/217/EEC
 BS EN 12645:1999
 Most EU National Directives (details on request)

PCL is the world leader in the design and manufacture of tyre inflation and compressed air products.

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