

Nitrogen Tower N90 / N91

Designed to meet the exacting and testing demands for N2 on the modern petrol forecourt.

The increasing use of nitrogen in tyres has led PCL to develop the new N90 freestanding nitrogen generation tower so that car users can fill / top up their N2-inflated tyres on the forecourt and making an additional revenue opportunity for the forecourt.

The N90, built in the UK, is PCL's premium forecourt freestanding N2 unit offering a range of options. The N90 range 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 increase forecourt revenue and profitability.

Key Product 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

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Key Product Features

- 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, plain cabinets
- 30 mm LCD transfective backlit screen as standard
- Guaranteed accuracy with individual testing calibration certificate supplied

Operational Specification

- IP Rating – IP44 Cabinet
IP65 Electronic inflator unit
- Adjustable lower purge limit and up to 2 purge settings
- Auto zero drift correction
- Auto-start inflation
- Free N2 or payment

Other Model Options

- Water hose
- Payment options - coin, cashless and token
- Bespoke graphical designs or branded options
- 4 N2 hoses

Technical Specification

Part No. N90SS10C / N91SS10C

N2 Parker Membrane: 5 m³/h or 3 m³/h
Token / coin / cashless mechanism

Dimensions

Height: 1425 mm
Width: 409 mm
Depth: 270 mm
Weight: c.60 kg

Hose Length

Air hose: 10 m / 33 ft
Water hose: 10 m / 33 ft

Environmental

Operating temperature: -20 °C to 70 °C
Humidity range: Up to 95 % RH non-condensing

Electrical Interface

Voltage nominal: 230 / 120 Vac
Min: 200 Vac / 100 Vac
Max: 260 Vac / 130 Vac
Current Typical (idle): 0.1 A
Max: 0.7 A

Pressure Measurement

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

Nitrogen Generation

5m³ / 3m³ per hour of N2 at 10 bar mains air supply of 95% purity depending on model

Compliance

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