

NEXUS Nitrogen Inflator Range

Combining the latest in high performance Nitrogen generation with leading inflation technology

PCL's brand new range of Nitrogen products branded 'NEXUS' - meaning 'the most central and important point' combines the ethos of designing and manufacturing marketing leading inflation equipment in a modern, innovative and simple to use housing.

This new range of equipment is designed to cover every application of digital Nitrogen inflation from small passenger cars to large commercial vehicle tyres in very demanding environments.

Key Product Benefits

- Revenue generation for Tyre Service Providers.
- Both Nitrogen fill and Air to Nitrogen conversion service (purge) for up to 4 tyres.
- Electronic preset tyre inflation with LCD display.
- Low life time costs - with high grade filtration and high performance components.
- Guaranteed accuracy and robustness with ceramic pressure sensor.

www.pclairtechnology.com



Key Product Features

- Mobile to allow efficient and flexible positioning and usage.
- Nitrogen purity check point.
- Internal tanks meet EEC standards.
- 4 x 7.6m hoses supplied as standard.
- 1 purge inflation cycle from flat.
- 2 purge inflation cycle, as standard.
- Electronic preset tyre inflation with LCD display.

Technical Specifications

Dimensions (cabinet only):

Height: 1364mm

Width: 600mm

Depth: 470mm

Weight:

NEX2I: 155kg

NEX6I: 248kg

NEXMI: 130kg

Temperature Range

Operating: 0°C to 40°C

Storage: -40°C to 70°C

Pressure Measurement

Accuracy: To +/- 0.5% of full scale reading
(Exceeds EC Directive 86/217)

Max Inflation Set Pressure:

NEX2: 90psi/6.2bar/620kPa

NEX6: 160psi/11bar/999kPa

NEXM: 174psi/12bar/999kPa

Electrical interface

Voltage (nominal): 230-240Vac

Current Typical (idle): 10VA

Max: 18VA

Cable length: 2.5m

Tyre Operating Performance

NEX2 Operating Performance

PSA - 2 X CMS Towers
890 x 159mm

Nitrogen Flow @ 10 bar
supply 95%+ purity

NEX2 Inflator

(*minimum compressor flow required)

70 l/min (2.5 cfm) (*368 l/min)

NEX6 Operating Performance

PSA - 4 X CMS Towers
890 x 159mm

Nitrogen Flow @ 12 bar
supply 95%+ purity

NEX6 Inflator

(*minimum compressor flow required)

200 l/min (7.0 cfm) (*538 l/min)

NEXM Operating Performance

Parker Membrane
TS OEM Kit 30

Nitrogen Flow @ 10 bar
supply 95%+ purity

NEXM Inflator

(*minimum compressor flow required)

484 l/min (17.1 cfm) (*1269 l/min)

Nitrogen Flow @ 12 bar
supply 95%+ purity




580 l/min (20.5 cfm) (*1523 l/min)

Nitrogen Flow @ 10 bar
supply 97%+ purity

309 l/min (10.9 cfm) (*1066 l/min)

Nitrogen Flow @ 12 bar
supply 97%+ purity

371 l/min (13.1 cfm) (*1279 l/min)

Series	Description	Application
NEX2I	NEXUS N2 Inflator	
NEX6I	NEXUS N6 Inflator	
NEXMI	NEXUS Membrane Inflator	

PCL is world leader in Design and manufacture of tyre pressure, as well as compressed air products for industry.

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