

DRIVEN BY AIR.



# NEXUS Nitrogen Inflater 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 most important point' combines PCL's ethos of designing and manufacturing marketing leading Nitrogen generation equipment in a modern, innovative and simple to use housing.

The PCL NEXUS series generators allow the operator to use existing equipment to deliver high purity Nitrogen to the desired application.

## Key Product Benefits

- Revenue generation for Tire Service Providers.
- Both Nitrogen fill and Air to Nitrogen conversion service (purge) for up to 4 tires.
- Electronic preset tire 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.pcltireinflation.com](http://www.pcltireinflation.com)



A HORNGROUP BRAND

### 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 tire inflation with LCD display.

### Technical Specifications

#### Dimensions (cabinet only):

Height: 1364mm

Width: 600mm

Depth: 470mm

Weight:

NEX4l: 341lb

NEX6l: 568lb

NEXMl: 286lb

#### 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

#### NEX4 Operating Performance

PSA - 2 X CMS Towers  
890 x 159mm

Nitrogen Flow @ 10 bar  
supply 95%+ purity

#### NEX4 Generator

(\*minimum compressor flow  
required)

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

#### NEX6 Operating Performance

PSA - 4 X CMS Towers  
890 x 159mm

Nitrogen Flow @ 12 bar  
supply 95%+ purity

#### NEX6 Generator

(\*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 Generator

(\*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
NEX4l	NEXUS N4 Generator only	
NEX6l	NEXUS N6 Generator only	
NEXMl	NEXUS Membrane Generator only	



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

**TECALEMIT Inc.**  
6324 Greens Road  
Humble  
TX 77396

Telephone: 281-446-7300  
Facsimile: 281-619-5613  
Email: sales@pclairtechnology.com  
[www.pcltireinflation.com](http://www.pcltireinflation.com)