

TyreSaver 3.0

Nitrogen Gas Tyre Filling Generator

The cost-effective, reliable and safe solution for inflating wide-ranging vehicle tyres.

TyreSaver 3.0 from Parker is a revolutionary compact, handheld nitrogen gas generator that produces nitrogen gas from compressed air to offer a cost-effective, reliable and safe alternative to traditional gas supplies such as cylinders.

Nitrogen is used as a clean, dry, inert gas primarily for removing oxygen from products and/or processes. It can prevent tyre deflation caused by oxygen permeation through tyre walls and therefore helps to achieve and maintain correct tyre pressure.

The unique TyreSaver 3.0 is robust, lightweight and mobile and designed to inflate tyres with nitrogen gas at the correct pressure and purity on vehicles such as cars, vans, trailers and motorcycles.

With innovative technology, outstanding performance and convenient design, the system offers a practical, low investment solution with a high margin potential.



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Features:

- Operates from a standard compressed air supply
- Delivers the right reduced oxygen content, without the need for any additional filtration*
- Over-inflated tyre release button
- Digital display (bar g/psi g/MPa)
- Exchangeable membrane cartridge
- Ergonomic grip
- Wall mount rack included for easy installation
- Compact design
- Membrane technology

* for more details see air requirements document

Benefits:

- **High profit margin**
Very low initial purchase and generating cost results in high margin potential
- **Low investment costs**
A revolutionary design and performance capability
- **Quick return on investment**
Typical pay-back within 50 cars
- **Convenient and safe**
Easy to use system, simple to install and requires no maintenance
- **Mobile and lightweight**
The generator is a workshop tool which can easily click into the airline system
- **Energy savings**
When the generator is not in use, it will not consume any compressed air
- **Reduced carbon footprint**
The elimination of cylinder deliveries means carbon footprint can be reduced
- **Increased customer loyalty**
Greater customer satisfaction will encourage customer loyalty



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Technical Specification

Life-time grip*	50,000 tyre fills
Life-time cartridge*	12,000 tyre fills
Capacity N ₂ **	3100 NI/hr at 20°C average at 10 bar g / 145 psi g / 1.0 Mpa inlet pressure
Purity	95% N ₂ average
Ambient temperature range	-20 to +50°C / -4 to +122°F
Max. tyre pressure***	50% of inlet pressure
Min. air inlet pressure	5 to 11 bar g / 72 - 160 psi g / 0.5 - 1.1 MPa
Inlet air quality	ISO 8573-1: 2001 Class 3.-.3. It is not allowed to feed liquid / aerosol / condensate, water or oil into the TyreSaver 3.0
Inlet connection	¼" BSPP
Certification	CE conforming (EMC and PED art.3.3)
Warranty grip*/**	1 year or 50,000 tyre fills (which ever occurs first)
Warranty cartridge*/**	1 year or 12,000 tyre fills (which ever occurs first)
Maintenance	None
Patent pending	

* Tyre 205/55R16

** Reference condition at 1013 mbar a and 20°C

*** Fill tyres up to max. 5.5 bar g / 80 psi g / 0.55 MPa

Weights and Dimensions

Model	Height		Width		Depth		Weight	
	mm	in	mm	in	mm	in	kg	lb
TyreSaver 3.0	230	9.1	90	3.5	640	25.2	<1.2	<2.6
Cartridge	450	17.7	Ø 90	Ø 3.5	-	-	<0.7	<1.3

A comprehensive range of tyre filling nitrogen generators

Also available:

- TRUCKTYRESAVER range; compact and robust range of nitrogen generators with a small footprint for medium to large capacity, ideal for trucks, buses and large vans. 95% purity.
- NITROSOURCE range; industrial nitrogen generators for applications with large capacity such as OTR-trucks. 95% - 98% purity.
- MAXIGAS range; industrial nitrogen generators for high purity applications such as the aerospace industry. ≥99% purity
- Special range of tyre filling (TF) MEMBRANE MODULES for OEM (Original Equipment Manufacturer) customers to build their own generator (range). 95% purity

To ensure the best solution is selected, please contact Parker.

Parker has a continuous policy of product development and although the company reserves the right to change specifications, it attempts to keep customers informed of any alterations. This publication is for general information only and customers are requested to contact their Parker sales representative for detailed information and advice on a product's suitability for specific applications. All products are sold subject to the company's standard conditions of sales.

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