

TruckTyreSaver

Nitrogen Tyre Inflator

The cost-effective, reliable and safe solution for inflating vehicle tyres with nitrogen

Product Information Sheet

TruckTyreSaver from Parker is a range of compact nitrogen tyre inflators that produce nitrogen gas from compressed air to offer a cost-effective, reliable and safe alternative to traditional nitrogen gas supplies such as cylinders.

Nitrogen in tyres is used to maintain the correct tyre pressure. Correct tyre pressure leads to fuel efficiency, lower CO₂ emissions and safer driving.

The TruckTyreSaver range is robust, compact, easy to use and designed to inflate vehicle tyres with nitrogen gas at the correct pressure and purity.

With high quality compressed air filtration, minimal maintenance requirements and robust design, the TruckTyreSaver is your reliable, trouble-free solution to realise significant cost savings on fuel consumption and tyre wear and additionally reduces CO₂ emission while maximizing safety for drivers.



Manufacture information:

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Features:

- Operates from a standard compressed air supply
- Delivers the right reduced oxygen content
- Available in 4 models offering various flow rates and purities
- Switches off when not in use
- Optional carbon adsorber pre-filtration unit available when air quality does not meet ISO Class 5.5.1 specification
- Robust construction
- Small footprint
- Can be wall-mounted
- Easy access for maintenance
- Maintenance indication on filters
- Membrane technology

Benefits:

- **Quick return on investment**
Typical pay-back is achievable within a few months
- **Convenient and safe**
The easy to use system is simple to install, requires minimal maintenance and eliminates safety hazards associated with traditional gas supplies
- **Space saving design**
The smallest truck tyre filling unit in the world requires minimal space
- **Energy savings**
When the generator is not in use it will not consume any compressed air or energy and the pneumatic operation means it requires no power
- **Reduced carbon footprint**
The elimination of cylinder deliveries and transportation means carbon footprint can be reduced



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Product Selection

Performance data is based on 20°C feed-air temperature and 1013 mbar ambient pressure. Consult Parker for performance under other specific conditions.

Model	Nitrogen Purity 95%								
	Minimum nitrogen flow rate in m ³ /hr*								
	5 bar g	6 bar g	7 bar g	8 bar g	9 bar g	10 bar g	11 bar g	12 bar g	13 bar g
TruckTyreSaverTTS10	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
TruckTyreSaverTTS20	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0
TruckTyreSaverTTS30	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0
TruckTyreSaverTTS40	20.0	24.0	28.0	32.0	36.0	40.0	44.0	48.0	52.0

Model	Nitrogen Purity 95%								
	Feed-air consumption at minimum nitrogen flow rate in m ³ /hr**								
	5 bar g	6 bar g	7 bar g	8 bar g	9 bar g	10 bar g	11 bar g	12 bar g	13 bar g
TruckTyreSaverTTS10	13.5	16.2	18.9	21.6	24.3	27.0	29.7	32.4	35.1
TruckTyreSaverTTS20	27.0	32.4	37.8	43.2	48.6	54.0	59.4	64.8	70.2
TruckTyreSaverTTS30	40.5	48.6	56.7	64.8	72.9	81.0	89.1	97.2	105.3
TruckTyreSaverTTS40	54.0	64.8	75.6	86.4	97.2	108.0	118.8	129.6	140.4

*m³/hr refers to conditions at 1013 mbar(a) and 20°C.

Technical Data

Ambient temperature range:	10 to 40°C / 50 to 104°F
Tyre pressure:	up to 12 bar g / 175 psi g
Min. air inlet pressure:	5 to 13 bar g / 73 to 188 psi g
Inlet air quality:	Dewpoint: <5°C / 41°F
	Oil: <0.01 mg/m ³
Inlet/outlet connections:	G ¹ / ₂ " / G ¹ / ₄ "

Weights and Dimensions

Model	Height		Width		Depth		Weight	
	mm	in	mm	in	mm	in	kg	lb
TruckTyreSaverTTS10	843.5	33.2	555.5	21.9	154	6.1	35	77.2
TruckTyreSaverTTS20	843.5	33.2	555.5	21.9	154	6.1	35	77.2
TruckTyreSaverTTS30	843.5	33.2	555.5	21.9	154	6.1	40	88.2
TruckTyreSaverTTS40	843.5	33.2	555.5	21.9	154	6.1	40	88.2

Parker provides filtration sets, cleaning your compressed air to reach the required inlet air quality.

A comprehensive range of tyre filling nitrogen generators

Also available:

- TYRESAVER 3.0; nitrogen tyre inflator to top up nitrogen filled tyres for cars, vans trailers and motorcycles. 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 nitrogen tyre inflator range.

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.

