

Nitrogen generator

TyreSaver & TruckTyreSaver



TyreSaver unit



TruckTyreSaver unit

TyreSaver & TruckTyreSaver Generators for Tyre Filling

Features

- TruckTyreSaver can fill up to 35 super single tyres per hour
- TyreSaver can fill 25-30 car tyres per hour
- No extra filling time compared to compressed air
- Easy installation
- No air-loss when not in operation
- Can be connected directly to the filling piston or storage vessel
- High quality compressed air filtration
- Minimum maintenance
- Compact design
- Stable purity due to automatic membrane pressure regulation

Product description

Parker nitrogen generators are based on Parker hollow fibre membrane technology, which makes it possible to separate air into nitrogen and an oxygen-enriched air stream. The TyreSaver & TruckTyreSaver nitrogen generators enable you to easily produce nitrogen from compressed air.

The TyreSaver and TruckTyreSaver are designed to fill tyres with nitrogen supplying the

purity required to keep the tyres at constant pressure. All tyre filling generators are equipped for connection to an external nitrogen storage vessel or directly to the filling piston. The generators automatically switch on and off depending on the nitrogen demand. They both work pneumatically, no power supply is needed.

The compressed air can be sourced either from a central system, or from a dedicated compressor.

TyreSaver

- High quality integrated compressed air filtration
- Pressure indication on front panel
- Works with standard compressed air house system

TruckTyreSaver

- Switches off when not in use
- Works with standard compressed air house system
- Optional carbon adsorber pre-filtration unit available

Carbon adsorber option for TruckTyreSaver

- Coarse filter
- Fine filter
- Carbon Adsorber
- All connections to connect above filters and adsorber
- Hose to connect adsorber to TruckTyreSaver

Compact design

- Robust construction
- Small footprint
- Smallest trucktyre filling unit in the world

The installation has virtually no moving parts and a high quality compressed air treatment section, resulting in reliable, trouble free operation with virtually no maintenance. The generator is ready to operate as soon as the compressed air from the compressor is connected.

Easy Installation

- Easy wall-mounted
- Connect air supply
- Connect filling piston or storage vessel

Maintenance

- Easy access
- Maintenance indication on filters
- Yearly filter exchange

Specifications

Minimum nitrogen production capacity
Capacity [Nm³/hr] at nominal conditions: ambient temperature 20°C, ambient pressure 1013 mbar(a). Inlet pressure 10 bar(g)

Nitrogen purity %	95
TyreSaver TS3	3
TruckTyreSaver TTS10	10
TruckTyreSaver TTS20	20
TruckTyreSaver TTS30	30
TruckTyreSaver TTS40	40

For calculation of the capacity of the TyreSaver and TruckTyreSaver at feed pressures other than the nominal feed pressure: multiply the nominal capacity by the correction factor for the pressure at the inlet of the generators.

Pressure bar(g)	5	6	7	8	9	10	11	12	13
Correction factor	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3

Technical data

Data/Generator	TS3	TTS10	TTS20	TTS30	TTS40
Max. delivery pressure	Inlet pressure minuse pressure drop (1 bar max)				
Default storage pressure	6.5 bar(g)	9.5 bar(g)			
Feed air pressure	5 – 13 bar (g)				
Temperature	10 – 40 °C				
Compressed Air	Residual oil content < 0.01mg/m ³ – Pressure dewpoint: < 5 °C				
Connections	G1/4"	Air inlet: G1/2" – nitrogen outlet: G1/4"			
Noise level	< 45 dBA				
Dimensions (HxWxD)	813 x 473 x126.5 mm	843.5 x 555.5 x 154 mm			
Weight	30 kg	35 kg		40 kg	

Part numbers generators	159.002888	159.003295	159.003296	159.003297	159.003298
Maintenance kits – yearly	159.004178	159.004174			
Carbon adsorber option					159.003639
Maintenance kit incl.					159.004176
Carbon adsorber option					

Reference condition for Nm³ = 20°C and 1013 mbar(a)