

The TyGER Generation

Nitrogen generators for tire filling



Professional, reliable, easy to use...

... and needs only
compressed air
to work!

ECOTECHNICS®

WHY INFLATE YOUR TIRES WITH NITROGEN?

- Because nitrogen gas guarantees **more constant tire pressure and temperature** over time.
- More constant pressure means more **uniform tread wear and better fuel economy**.
- Constant pressure means **increased safety** while driving, thanks to better tire adhesion on the road.
- Constant **temperature** reduces the risk of tread deformation and damage.
- **Longer tire life.**
- Let's take an example. A reduction of pressure with respect to normal inflation conditions will result in increased tire wear and a need for early replacement.

Underpressure	Tire wear	Reduction in tire life
0.2 bar	+ 1%	10%
0.4 bar	+ 2%	30%
0.6 bar	+ 4%	45%

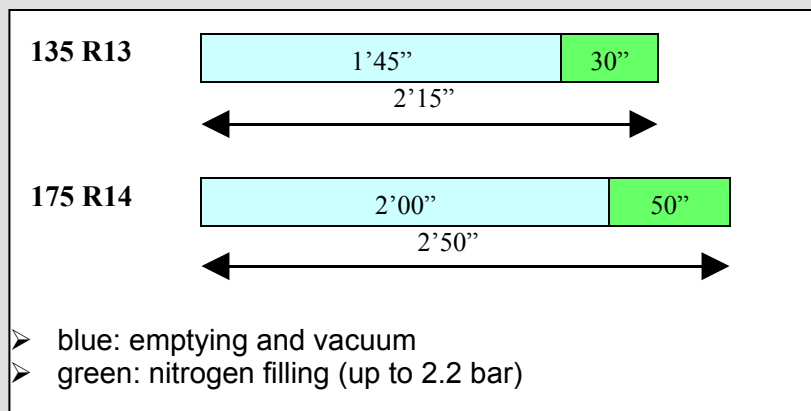
WHY TYGER?

Because with respect to conventional nitrogen generation systems, **Ecotechnics' new TyGer** embodies new concepts that simplify and speed up all the operations involved in this type of service.

- ON-BOARD TANK integrated with the system to ensure ample nitrogen supply and reduce recharging time.
- AUTOMATIC FILLING of the on-board tank to guarantee optimal circuit pressure at all times;
- Integrated VENTURI SYSTEM with VACUUM METER that not only speeds up tire emptying but also permits inflating with nitrogen with no intermediate stages;

FAST TIRE INFLATION

Thanks to its vacuum function, TyGER permits fast tire conversion from air to nitrogen filling: for example, the times for two common tire types are:

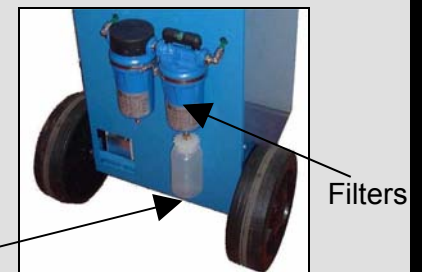
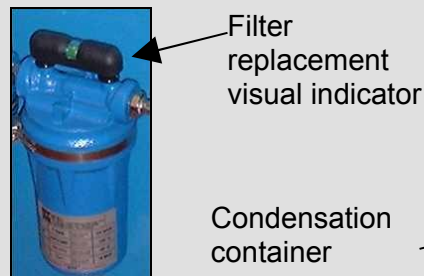
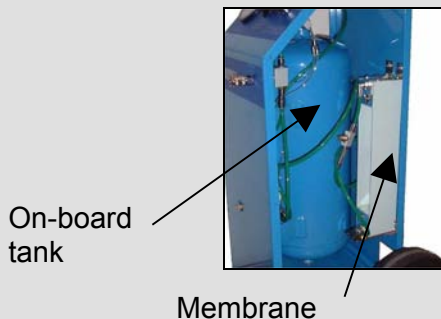
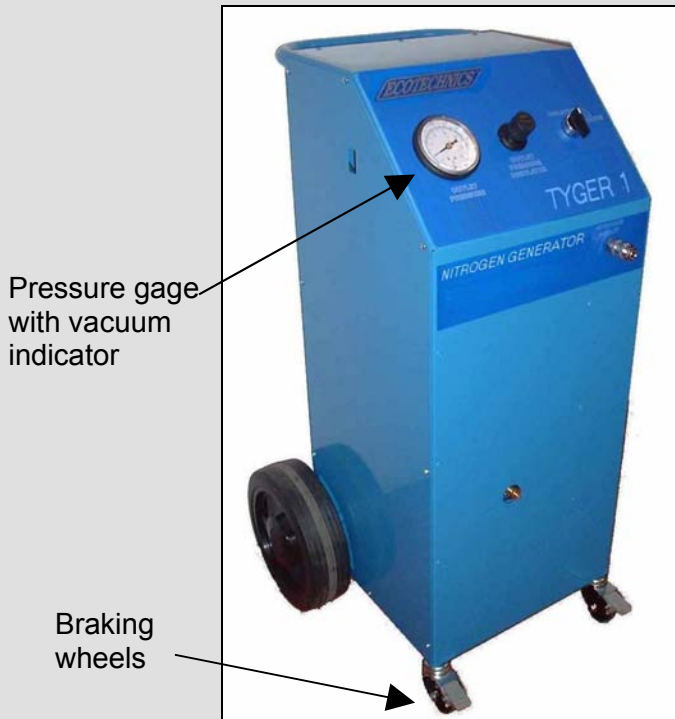


* Times measured with the TyGER 3 system

TYGER 1

TYGER 3

1 and 3 Nm³/h systems. Ideal for motorcycles, automobiles, SUVs, jeeps, vans



TECHNICAL SPECIFICATIONS – TYGER 1 and TYGER 3

- Membrane capacity in standard operating conditions: **1Nm³/h** (Tyger 1) and **3Nm³/h** (Tyger 3).
- Nitrogen purity > **96%**.
- Integrated 24-liter **on-board tank** for storing more than **192** liters of nitrogen at 8 bar.
- **Automatic tank** filling every time pressure drops below 7 bar.
- Built-in **Venturi** system for vacuum of 3m³/h.
- **Oil-removal** filter with **visual indicator** for clogging: capable of filtering solid and oily particles up to 1 micron and 0.1mg/m³.
- **Active-carbon** filter to remove all vapors from the delivered nitrogen.
- Inlet air pressure from 9 to 13 bar.
- Pressure gage with visual indication of **vacuum** level.
- Approved **filling** gun with dual-scale bar and Psi pressure gage.
- Easy-to-replace filters
- Braking wheels
- **Waste condensation container.**

Standard Accessories:



Filling gun with pressure gauge and spiral hose



Set of green caps for tire valves

Optional Accessories:



Information booklet

Spare Parts:



Active Carbon and Coalescent Filter

<u>Model</u>	<u>Capacity</u>	<u>Code</u>
TYGER 1	1 Nm ³ /h	XT100.000025
TYGER 3	3 Nm ³ /h	XT100.000000
<u>Optional Accessories</u>		<u>Code</u>
INFORMATION BOOKLET		MANUXT10D.01
<u>Spare Parts</u>		<u>Code</u>
ACTIVE CARBON FILTERS		FLT9011
COALESCENT FILTER		FLT9013
FILLING GUN		GRARI8000
SPIRAL HOSE		GRTUB8000
SET OF GREEN CAPS		TAP8000

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