

NITRONIC

1.5
3
20

Why use the nitrogen?

1. The tyre pressure remains constant, due to the characteristics of the nitrogen. for a longer period of time in comparison with normal compressed air
A correct pressure permits to decrease the rolling resistance and the consequent reduction of the fuel consumption.
2. Constant pressure also means a higher driving safety, thanks to the better grip of the tyre to the road (steering and braking).
3. Reduction of tyre degrading: the oxygen and the steam inside the tyres inflated by air can cause damages to the tyre compound and to the internal metal inserts. The NITROGEN avoids the oxidation, as it contains no humidity, and the consequent risk of sudden failures.
4. Oxidation reduction in the metal parts of the rim, of the internal parts of the tyre and of the valve, with consequent improvement of the seal, of the inflating time and of the demounting procedure.
5. No more risks of tyre spontaneous ignition, thus reducing the risk of explosion due to the overheating

How do nitrogen generators work?

The new nitrogen generators from MONDOLFO FERRO produce nitrogen by the separation of the entering compressed air (min. 8 bar) through membrane filters able to separate the oxygen molecules from the nitrogen ones. At the generator outlet the nitrogen purity is 95%.

Working scheme

The entering compressed air passes through some oil-separating filters, with on sight stoppage indicator able to retain solid particles and oil particles up to 0,01 micron, to reach a good level of purity. After that, the air passes through an activated carbon filter to eliminate any trace of vapour from the nitrogen. NITRONIC 3 and NITRONIC 20 generators are provided also with a pre-filter for a longer life of the oil-separating filter. The last separating step is through a permeable membrane filter to achieve the maximum purity of the nitrogen.



NITRONIC 1.5

Generator for the inflating of car and motorbike wheels, with nominal capacity of 1,5 Nm³/h, complete with wheels to operate by the vehicle. Integrated high capacity tank (100 l), to always have a big nitrogen reserve and reduce the inflating time. Manometer for the control of the inlet and storage tank pressure
Air-nitrogen Selector allowing to use the generator as an integrated inflating station. Female quick coupling for connecting to an auxiliary second tank.



NITRONIC 3

Professional generator for the inflating of van, car and motorbike wheels, with a nominal capacity of 3,0 Nm³/h, complete with wheels to operate by the vehicle. Integrated high capacity tank (100 l), to always have a big nitrogen reserve and reduce the inflating time. Manometer for the control of the inlet and storage tank pressure. Complete with pre-filter. Air-nitrogen Selector allowing to use the generator as an integrated inflating station. Female quick coupling for connecting to an auxiliary second tank.

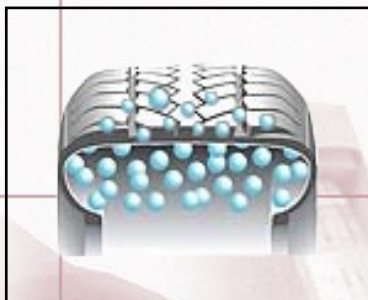


NITRONIC 20

The NITRONIC 20 generator is a complete projected system to continuously transform compressed air into nitrogen. Professional generator for inflating of truck, bus, grade and earth moving machine wheels, with a nominal capacity of 20,0 Nm³/h, complete with wheels to operate by the vehicle. Manometer for the control of the inlet pressure. Complete with pre-filter. Air-nitrogen Selector allowing to use the generator as an integrated inflating station. Female quick coupling for connecting to an auxiliary second tank.

NITRONIC 1.5 3 20

Tyres inflated with compressed air



Oxygen and steam molecules migrate through the tyre with compressed air inflated wheels

Tyres inflated with nitrogen



High purity dry nitrogen reduces pressure losses within the tyre thus reducing fuel consumption

Optional accessories

Hose reel

15 m total hose length with shock resistant housing and automatic stop device



Inflating gun

Professional inflating gun with alloy body and manometer



GENERATOR	RECEIVERS
NITRONIC 1,5	Garage-motorcycles workshops-petrol stations
NITRONIC 3	Professional tyre workshops- car dealers
NITRONIC 20	Professional trucks tyre workshops - transport companies

Technical Data

	Supply pressure	Flow capacity	N ₂ purity	Weight	Sizes	Tank capacity
NITRONIC 1.5	8-10 Bar	1,5 Nm ³ /h	95%	92 Kg	1405x675x445	100 l
NITRONIC 3	8-10 Bar	3,0 Nm ³ /h	95%	92 Kg	1405x675x445	100 l
NITRONIC 20	10-13 Bar	20 Nm ³ /h	95%	54 Kg	1400x670x475	NO

The Company reserves the right to modify its machines at any time without prior notice



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