

NITROGEN TIRE INFLATION SYSTEMS

Nitrogen Generators

Why Nitrogen?

Nitrogen is a dry, inert gas used to inflate airplane tires, off-road truck tires, military vehicle tires, and race car tires for improved performance. Oxygen in compressed air permeates through the wall of the tire reducing the tire's inflation pressure. During its journey through the tire wall, oxygen oxidizes the rubber compounds in the tire, causing under inflation and deteriorated rubber. Dry nitrogen will prevent auto-ignition, will not corrode rims, and helps the tire to run cooler.

Ingersoll Rand Nitrogen Generators:

State of the art membrane technology used in the Ingersoll Rand Nitrogen Inflation System is the preferred technology to deliver nitrogen for the tire industry. This membrane will perform ten years from now the same as the day it was purchased. The system has no moving parts, is very quiet and requires simple annual maintenance. The system can easily be connected to the existing compressed air supply, ready to generate nitrogen in minutes.

Product Features:

- No extra filling time compared to compressed air
- No air consumption when not in operation, nitrogen created on demand provided energy savings
- Can be connected directly to existing compressed air lines
- Delivers high quality nitrogen at the purity required for tire inflation
- Onboard oxygen analyzer for easy testing
- Non-degrading membrane technology
- Compact design for minimum space requirements
- Minimum maintenance
- Quiet operation
- 24 x 7 customer support



Model Number	Max Inlet Pressure (PSI)	CFM N2*	Outlet Pressure (PSI)	Receiving Tank		Dimensions (IN)			Weight (LB)	Use
				Capacity (GAL)	N2 Purity	L	W	H		
Nitrogen Generators										
N2G17-FP	190	3.5	140 – 155	60	95%	5	18.5	32	67	Nitrogen Tire Filling
N2G70-FP	190	8.0	140 – 155	80	95%	6	22	33	77	Nitrogen Tire Filling
N2G140-FP	190	12.0	140 – 155	80	95%	6	22	33	80	Fleet Tire Filling / Maintenance

* Nominal conditions: feed pressure at inlet 145 psi, ambient temperature 68°F, ambient pressure 1.45 psi at 95% purity.