NitroSource HiFluxx

Nitrogen Gas Generators

The cost-effective, reliable and safe solution for medium to large nitrogen requirements.

NitroSource nitrogen gas generators from Parker produce nitrogen gas from compressed air and offer a cost-effective, reliable and safe alternative to traditional nitrogen gas supplies such as cylinder or liquid.

Nitrogen is used as a clean, dry, inert gas primarily for removing oxygen from products and/or processes.

NitroFlow provides an on-demand, continuous source of nitrogen gas which can be used in a wide range of industries such as food, beverage, laboratory, chemical, electronics, transportation and oil and gas.

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Features:

- **Can operate from a standard factory compressed air supply**
- **Delivers 5% down to 0.5% oxygen content, without the need for any additional purification**
- **Built-in oxygen analyser for continuous purity monitoring**
- **Digital and analogue outputs for remote monitoring**
- **Alarm capabilities**
- **User friendly control interface**
- **Compact design**
- **Modular concept**

Benefits:

- **Up to 90% cost savings***
  Typical capital pay-back is achievable within 12-24 months
- **Energy savings**
  Does not require an inlet air heater and can operate from a standard factory compressed air supply
- **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 compact design means the system demands less floor space
- **Flexible modular option**
  The modular concept allows the generator to grow with the factory
- **Reduced carbon footprint**
  The elimination of cylinder deliveries and transportation means carbon footprint can be reduced

* Typical cost savings achieved in comparison to cylinder or liquid supply

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Product Selection

Performance data is based on 7 bar g (100 psi g) air inlet pressure and 20° - 30°C air inlet temperature. Consult Parker for performance under other specific conditions.

		Oxygen Content					
Model	**Unit**	**0.5%**	**1.0%**	**2.0%**	**3.0%**	**4.0%**	**5.0%**
Main Unit	**m³/hr**	6.0	9.4	16.2	22.0	28.0	34.0
	cfm	3.5	5.5	9.5	12.9	16.5	20.0
Main + 1 Sub	**m³/hr**	12.0	18.8	32.4	44.0	56.0	68.0
	cfm	7.1	11.1	19.1	25.9	33.0	40.0
Main + 2 Subs	**m³/hr**	18.0	28.2	48.6	66.0	84.0	102.0
	cfm	10.6	16.6	28.6	38.9	49.5	60.0
Main + 3 Subs	**m³/hr**	24.0	37.6	64.8	88.0	112.0	136.0
	cfm	14.1	22.2	38.2	51.8	66.0	80.0
Main + 4 Subs	**m³/hr**	30.0	47.0	81.0	110.0	140.0	170.0
	cfm	17.7	27.7	47.7	64.8	82.5	100.0
Main + 5 Subs	**m³/hr**	36.0	56.4	97.2	132.0	168.0	204.0
	cfm	21.2	33.2	57.3	77.8	98.9	120.0

m^3 reference standard = 20°C, 1013 millibar(a), 0% relative water vapour pressure.

Technical Data

Air Inlet Temperature Range		10 - 40°C
Maximum Nitrogen Outlet Pressure		11 bar g
Air Inlet Pressure Range		4-13 bar g
Air Inlet Quality	**Pressure Dewpoint**	<+5°C
	Particulate	<5 micron
	Oil	<3 mg/m^3
Electrical Supply		90-250 VAC/50-60Hz
Inlet / Outlet Connections - Main		Air inlet G1 1/4, N_2 Outlet G1, Premeate Vent 110mm
Outlet Connection - Sub Unit		N_2 Outlet G1, Premeate Vent 110mm

Weights and Dimensions

Model	**Height (H)**		**Width (W)**		**Depth (D)**		**Weight**	
	mm	**in**	**mm**	**in**	**mm**	**in**	**kg**	**lb**
Main Unit	1928	75.9	725	28.5	490	19.3	180	397
Main + 1 Sub	1928	75.9	725	28.5	760	29.9	275	607
Main + 2 Subs	1928	75.9	725	28.5	1030	40.6	370	816
Main + 3 Subs	1928	75.9	725	28.5	1300	51.2	465	1025
Main + 4 Subs	1928	75.9	725	28.5	1570	61.8	560	1235
Main + 5 Subs	1928	75.9	725	28.5	1840	72.4	655	1444

Also available, Nitroflow Basic, LP and HP membrane technology in addition to MIDIGAS and MAXIGAS PSA technology. To ensure the best solution is selected, please contact Parker.

For information on extended warranty and preventative maintenance contract availability, please contact your local sales office or visit **www.parker.com/pfs**

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