Organomation PRODUCT INFORMATION



MANUFACTURER INFORMATION

Organomation

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NITRO-GENTM NITROGEN GENERATOR

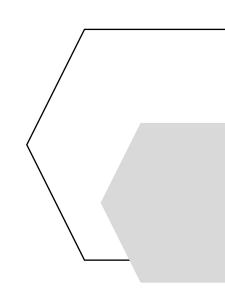
The Organomation® NITRO-GEN 20 Nitrogen Generator produces nitrogen gas from compressed air as a safe, reliable, and cost-effective alternative to traditional gas supplies. It generates a 95-99% pure stream of nitrogen using a hollow-fiber membrane. This generator supports up to 48 sample positions.

BENEFITS

- Quick Start-Up Time nitrogen produced instantly, no heat-up time
- Energy Savings no electrical power needed
- **Engineered Design** life expectancy more than 10 years
- Minimal Maintenance serviceable clean air filter
- Small Footprint case size 9.5 x 8 x 19.5 inches (L x W x H)
- Reduced CO₂ Emissions no heaters, less energy required

Flow Rate I/m (CFM)² and Purity (%) based on Inlet Pressure

	Nitrogen Purity (%)				
Inlet Pressure	99	98	97	96	95
4 bar g	2.5	4.5	6.5	8.3	10.3
(58 psi g)	(0.09)	(0.16)	(0.23)	(0.29)	(0.36)
5 bar g	3.2	5.7	8.0	10.3	13.0
(72.5 psi g)	(0.11)	(0.2)	(0.28)	(0.36)	(0.46)
6 bar g	4.2	7.5	10.3	13.3	16.3
(87 psi g)	(0.15)	(0.26)	(0.36)	(0.47)	(0.58)
7 bar g	4.8	8.7	12.2	15.5	19.0
(101.5 psi g)	(0.17)	(0.31)	(0.43)	(0.55)	(0.67)
8 bar g	5.5	10.0	13.8	17.7	21.8
(116 psi g)	(0.19)	(0.35)	(0.49)	(0.62)	(0.77)
9 bar g	6.5	11.7	15.8	20.5	25.3
(130.5 psi g)	(0.23)	(0.41)	(0.56)	(0.72)	(0.89)
10 bar g	6.8	12.5	17.3	22.2	27.3
(145 psi g)	(0.24)	(0.44)	(0.61)	(0.78)	(0.97)



Ambient Conditions

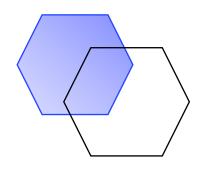
Ambient Temperature	36° F to 122° F (2°C to 50° C)
Ambient Pressure	Atmospheric
Air Quality	Clean air without contaminants

Case Specifications

Dimensions L x W x H	9.5 x 8 x 19.5 in. (241 x 203 x 495 mm)
Material	Aluminum (powder coated)
Weight	13.25 lbs (6 kg)
Inlet Fitting	1/4" Push-to-Connect Female
Outlet Fitting	1/4" Push-to-Connect Female
Catalog #	NA1955

Inlet Air Conditions

Max. operating pressure	10.3 bar g (150 psi g)
Particles	filtered at 0.01 μm cut off
Max. oil vapor content	<0.01 mg/m³ (<0.01 ppm (w))
Relative humidity	<100% (non-condensing)



For more information, please contact the <u>sales office</u> or visit <u>organomation.com</u>



^{1.} Based on conditions at 14.7 psi a (1013 mbar a) and 68°F (20°C)