



NITRO-GEN™

NITROGEN GENERATOR

MANUFACTURER INFORMATION

Organomation

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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

PERFORMANCE DATA

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

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

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

Ambient Conditions

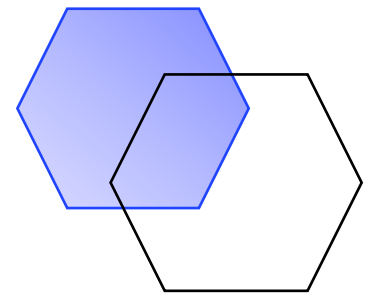
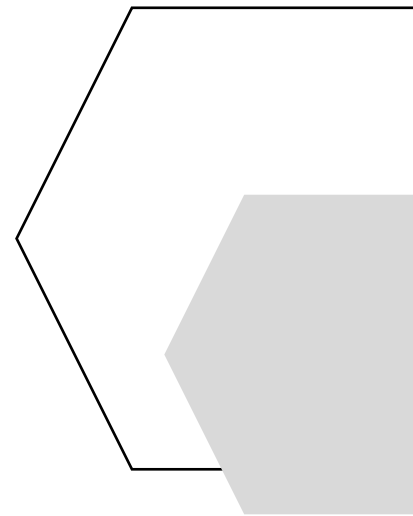
Ambient Temperature	36° F to 122° F (2°C to 50° C)
Ambient Pressure	Atmospheric
Air Quality	Clean air without contaminants

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	¼" Push-to-Connect Female
Outlet Fitting	¼" 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/m ³ (<0.01 ppm (w))
Relative humidity	<100% (non-condensing)



For more information, please contact the [sales office](#) or visit organomation.com

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