

Atlas Copco

Nitrogen generators PSA technology

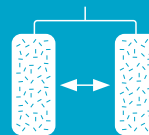
NGPs 2-9

The versatile low-flow nitrogen solution

Even when your production uses as little as 1 nitrogen cylinder per week, you can benefit from producing your own N₂ with the Atlas Copco NGPs 2-9. Our smallest PSA generator ensures a cost-efficient, flexible and reliable nitrogen supply with a purity of up to 99.999%. Compact and easy-to-use, the NGPs 2-9 meets the requirements of the most straightforward jobs as well as very demanding applications with its advanced control and purity monitoring features.



PSA inside



Cost savings

- Low cost per unit of N₂ compared to gas cylinders.
- Best-in-class air/energy consumption.
- PSA design adapted for small nitrogen needs.



Easy to install & use

- Easy to hook up to your existing compressed air network.
- Compact footprint takes up little room on your shop floor.
- Advanced controller with remote monitoring.



Reliability

- Stable supply of N₂ at a guaranteed purity.
- Designed for continuous duty.
- Self-protective design and future-proof operation.

Meet your exact nitrogen needs



For straightforward jobs

When you just need your N₂ and get going, the NGPs has got you covered:

- Proven technology: Extruded aluminum adsorber design ensures a compact footprint, reliable operation and a long lifetime.
- Easy installation and operation: Just connect the NGPs to your compressed air supply and start producing your own N₂.
- No wasted air: Avoid the standby losses that nitrogen generators can experience. Through smart valve controls, the NGPs' Economizer function ensures no air/energy is wasted.

For demanding applications

When your N₂ application requires advanced quality, purity and performance control, choose from a range of optional features:



- Advanced controller:
 - 4.3" color touch screen with remote monitoring
 - Live machine status and key parameters (N₂ purity, pressure, flow, PDP, ...)
 - Alarms and service information
 - User settings, such as Economizer set points, alarms, ...
- Nitrogen PDP sensor: Inspects the quality (moisture level) of the N₂ to ensure it matches your specifications.
- Feed air check: Continuously monitors the feed air and, if preferred, blocks it from entering the generator when its quality is below standard.
- Nitrogen flow sensor: Provides an indicative measurement of the live nitrogen capacity at the generator's outlet.



Technical specifications

	Purity	Nitrogen capacity											Dimensions (W x D x H)		Weight	
		95%	96%	97%	98%	99%	99.5%	99.9%	99.95%	99.99%	99.995%	99.999%	mm	in	kg	lbs
NGPs 2	Nm ³ /h	4.3	3.9	3.4	2.8	2.1	1.7	0.8	-	-	-	-	440 x 453 x 738	17 x 18 x 29	54	119
	Scfm	2.5	2.3	2.0	1.7	1.3	1.0	0.5	-	-	-	-				
NGPs 3	Nm ³ /h	6.9	6.3	5.5	4.7	3.7	2.8	1.7	1.3	1.0	0.8	0.3	440 x 453 x 918	17 x 18 x 36	63	139
	Scfm	4.0	3.7	3.2	2.8	2.2	1.7	1.0	0.7	0.6	0.5	0.2				
NGPs 4	Nm ³ /h	9.6	8.7	7.8	6.8	5.3	4.2	2.5	2.2	1.5	1.3	0.5	440 x 453 x 1093	17 x 18 x 43	76	168
	Scfm	5.6	5.1	4.6	4.0	3.1	2.4	1.5	1.3	0.9	0.8	0.3				
NGPs 5	Nm ³ /h	11.1	10.1	8.8	7.8	6.4	5.2	3.2	2.7	1.7	1.4	0.8	440 x 453 x 1243	17 x 18 x 49	83	183
	Scfm	6.5	5.9	5.2	4.6	3.7	3.1	1.9	1.6	1.0	0.8	0.5				
NGPs 7	Nm ³ /h	14.3	13.0	11.7	10.1	8.0	6.2	4.3	3.7	2.5	2.2	1.6	440 x 453 x 1493	17 x 18 x 59	96	212
	Scfm	8.4	7.7	6.9	6.0	4.7	3.6	2.5	2.2	1.4	1.3	0.9				
NGPs 9	Nm ³ /h	18.8	17.2	14.1	12.2	9.9	7.9	5.5	4.7	3.4	3.0	1.8	440 x 453 x 1843	17 x 18 x 73	113	249
	Scfm	11.1	10.1	8.3	7.2	5.8	4.7	3.2	2.8	2.0	1.8	1.1				

Performance reference conditions:

- Compressed air effective inlet pressure: 7 bar(g)/102 psi(g)
- Ambient/inlet air temperature: 20°C/68°F
- Inlet air quality [2:4:1] according to ISO 8573-1:2010

Flow unit reference conditions:

- Nm³/h: 20°C – 1 bar(a) – 0% RH
- Scfm: 68°F – 14.5 psi(a) – 0% RH

General notes:

- Nitrogen capacity can vary up to +/- 5%
- Nitrogen purity expressed as 100% minus oxygen content
- Outlet nitrogen quality [1:2:1] according to ISO 8573-1:2010

Options

- Advanced controller
- Nitrogen check
- Feed air check
- Nitrogen PDP sensor
- Nitrogen flow sensor
- Mass flow control valve
- Room oxygen alarm (wall mount)



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