



A SECURE SUPPLY OF NITROGEN AND OXYGEN

Whether your company is specialized in chemical manufacturing, electronics, laser cutting or food and beverage, a dependable supply of industrial gas is crucial. Compared to the on-demand delivery of gas bottles or tanks, on-site production of gas offers a wealth of advantages ranging from cost savings to continuous availability. Atlas Copco's advanced nitrogen and oxygen generators offer you the ultimate solution: flexible on-site production of industrial gas at the lowest possible cost.

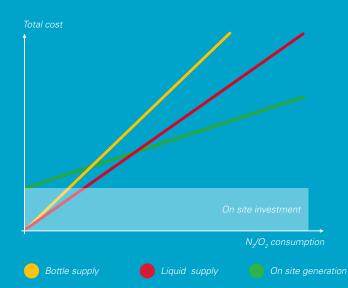


On-site vs. liquid or bottled gas

- Your own independent supply of industrial gas.
- Non-stop availability: 24 hours a day, 7 days a week.
- Significant economies of scale and lower operational costs: no rental charges, transport expenses and bulk user evaporation losses.
- No safety hazards when handling high-pressure cylinders.
- Easy integration within existing compressed air installations.

Liquid/bottled gas	On-site generation
Lease tank	Capital
N_2	Energy
Transport	Maintenance
0.1-0.8 EUR/m³(*)	0.02-0.15 EUR/m³(**)
N ₂ : 99.999%	N ₂ : 95-99.999%

(*) Industry average, other price settings might apply. (**) Depending on purity and electricity cost.



High reliability

- Proven technology: simple, reliable and durable.
- The exact purity your application demands.
- Low operating costs for extra cost-efficiency.
- World-class expertise in a unique market offer from compressed air to gas.

Investment cost Running hours Other N₂ generators NGP*/NGM*

With an air factor of 1.8 (at 95%) to 5.5 (at 99.999%) and a special cycle time modulation algorithm, the running cost of the new NGP⁺ can be reduced by 50%, compared to other N2 generators.

New generation membrane & PSA generators will change the market

Atlas Copco's latest membrane and PSA generators extend the advantages of the current range. Total lifecycle cost consists of the initial investment cost of the on-site installation, the service cost, and the energy cost. The NGP/NGM range has the lowest investment cost. However, with increasing running time, you are better advised to switch to the NGP+/NGM+ range to reduce energy costs.



Wide range of applications

- Food & beverage (storage & packaging).
- Pharmaceutical applications.
- Plastic injection molding.
- Electronics.
- Laser cutting.
- Semiconductor manufacturing.

- Chemical applications.
- Metal heat treatment.
- Cable & optical fiber industries.
- Glass industries.
- Fire prevention.
- Aquaculture.



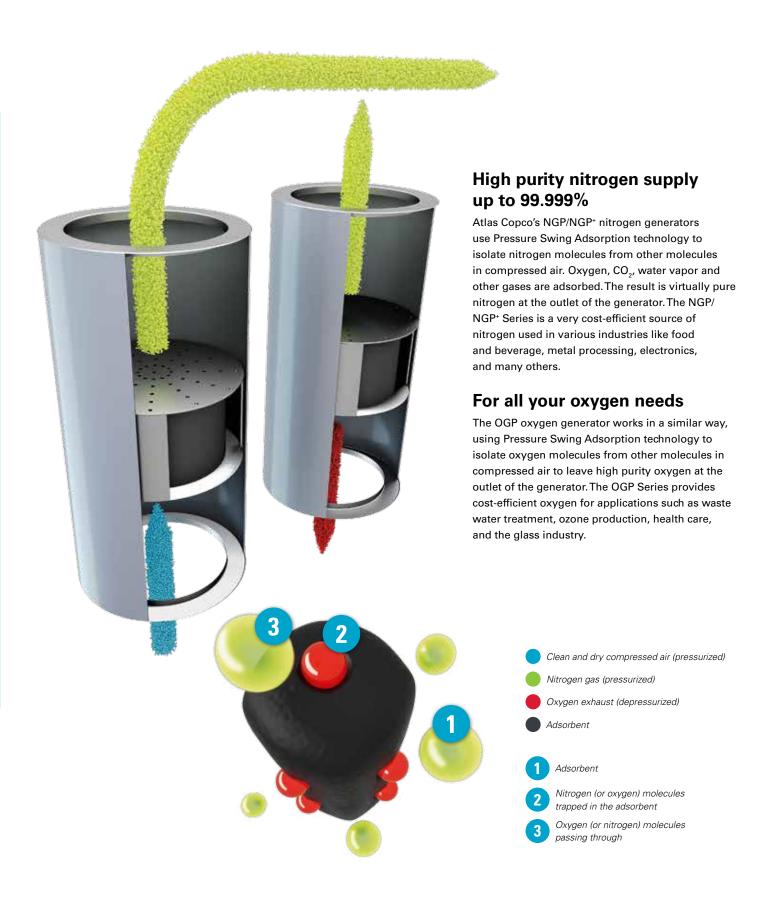
MEMBRANE: COMPACT ALL-IN-ONE N₂ SUPPLY

Atlas Copco NGM/NGM⁺ nitrogen generators utilize proprietary membrane separation technology. The membrane separates compressed air into two streams: one is 95-99,9% pure nitrogen, and the other is oxygen enriched with carbon dioxide and other gases.



PSA: RELIABLE AND PROVEN

Based on Pressure Swing Adsorption (PSA) technology, Atlas Copco's NGP/NGP⁺ nitrogen generators and OGP oxygen generators provide a continuous flow of nitrogen and oxygen at desired purity.



TOTAL SOLUTIONS FROM ATLAS COPCO

With a full range of nitrogen and oxygen generators to choose from, Atlas Copco brings you the right supply of nitrogen and oxygen to meet your specific needs and optimize your production process at the same time.

A unique offer

On-site nitrogen and oxygen generation requires the most reliable and efficient compressed air solution.

Drawing on vast experience, Atlas Copco has been leading the industry in compressed air technology for decades. From advanced compressors and quality air solutions over a complete range of nitrogen and oxygen generators to aftermarket and financing services, Atlas Copco brings you its world-class expertise in a unique offer.

Typical installation: compressor with integrated dryer, pre-filter UD*, Active Carbon Tower QDT, dust filter, receiver, NGP* nitrogen PSA generator, receiver.

Oil-free compressors

Atlas Copco, pioneer in the development of oil-free air technology, offers a full range of premium compressors delivering 100% oil-free, clean air to protect the membrane or absorbent in nitrogen generators. There is no need for extra filtration, making sure the pressure drop is kept to a minimum.



Oil-injected compressors

Integrated onto the production floor, Atlas Copco's oil-injected compressors provide a dependable flow of compressed air directly to the point of use. Built to perform in harsh environments, Atlas Copco compressors keep your production running smoothly and reliably: a very economical solution in combination with nitrogen and oxygen generators.









Air treatment

Atlas Copco has innovatively developed and improved air compression and drying techniques. Whatever your installation, application or quality requirements, Atlas Copco can offer the right air treatment solution, such as dryers (desiccant, refrigerant, membrane) and filters (coalescing, particle, active carbon).



MEMBRANE NITROGEN GENERATORS (NGM, NGM+)

Based on innovative membrane technology, Atlas Copco's Membrane Nitrogen Generators are flexible enough to adapt to your specific applications. And with low operating costs they offer an excellent return on investment.

Ready to use

- Requires only a supply of dry compressed air.
- No specialist installation or commissioning.
- Fitted with pre-filtration, pressure gauges and flow meter to ensure accurate system monitoring at all times.

Cost savings

- Low operating expenses.
- No additional costs such as order processing, refills and delivery charges.
- Limited maintenance costs.

Exceptional convenience

- Continuous availability (24 hours a day, 7 days a week).
- Risk of production breakdown due to gas running out is eliminated.

Desired purity

- Nitrogen supply according to your need: from 5% to 0.1% oxygen content.
- Very easy to set up the device for other purity levels.

All-in-one

- Fully integrated package.
- Filters and oxygen sensor as standard.

High flow capacity

Ideal for applications such as fire prevention, tire inflation, oil & gas, marine, packaging and many more.



Long lifetime

- No aging.
- No heater.
- Lasting performance.

PSA NITROGEN AND OXYGEN GENERATORS (NGP, NGP+, OGP)

Atlas Copco's NGP, NGP⁺ and OGP nitrogen and oxygen generators are easy to install and use. They offer the required purity with a high flow capacity, making them suitable for a range of applications.

High flow capacity

The wide product range and gas flows exceeding 2,000 Nm³/h (NGP/NGP⁺) make these generators ideal for a variety of demanding applications.

Ready to use Only requires a supplement

- Only requires a supply of dry compressed air.
- Plug-and-play.
- No specialist installation or commissioning.
- Fully automated and monitored including oxygen sensor as standard.
- Service-friendly.





Desired purity

- NGP/NGP+: nitrogen concentrations from 95% to 99.999%.
- OGP: oxygen concentrations from 90% to 95%.

Exceptional reliability

- Robust design.
- Continuous availability (24 hours a day, 7 days a week).
- Potential risk of production breakdown due to gas running out is eliminated.

Cost savings

- Low operating expenses.
- No additional costs such as order processing, refills and delivery charges.
- Limited maintenance costs.

NEW GENERATION NGP* NITROGEN GENERATORS



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Self-protective monitoring of the feed air quality

- Temperature.
- Pressure.
- Pressure dewpoint.
- Automatic feed air blow-off in case of contamination.



Premium energy efficiency

Air-to-nitrogen ratio from 1.8 (95% N_2) to 5.5 (99.999% N_2).



Automatic start-up

- Minimum pressure valve with bypass nozzle for fast start-up.
- Eliminates risk of overflow and CMS damage.





Highest quality CMS

- High density.
- Compact spring loaded.
- Top/bottom equalization.
- Protected by dedicated pressure sensor.







The most complete scope of supply

- Nitrogen flow meter as standard.
- Zirconia oxygen sensor with a long lifetime.
- Outlet pressure reducing valve.



Self-regulation and stable purity

- Automatically regulates to the requested nitrogen pressure and purity.
- Extremely easy to change purity.
- Off-spec nitrogen flushing.





Control and monitoring

- Remote start-stop.
- Modbus, Profibus and Ethernet.
- SMARTLINK.



Back flow pressurization

- In the pressurization phase nitrogen is used instead of air.
- No oxygen contamination of the CMS before adsorption phase starts.



The ultimate energy saver

- Stand-by mode in case no nitrogen is consumed.
- Cycle time modulation algorithm = extended cycle time at low nitrogen demand = reduced air consumption at low nitrogen demand.

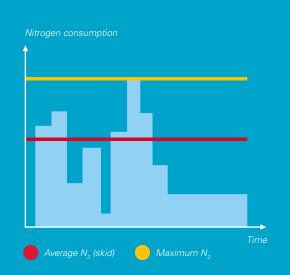
ALL-IN-ONE HIGH PRESSURE NITROGEN SKID

The latest addition Atlas Copco's specially developed equipment is the all-in-one high pressure nitrogen skid, a true alternative for liquid nitrogen or bottles. Combining a small footprint, easy installation, high reliability and supreme energy efficiency, this unique nitrogen skid truly stands out.



Ideal for a fluctuating nitrogen demand

This innovative nitrogen skid allows you to store nitrogen at 40 or 300 bar. By doing so, you can dispose of your average nitrogen consumption rather than have your maximum consumption available at all times. This saves initial investment cost and drastically reduces your operating costs.



High-pressure applications and storage of air, oxygen, nitrogen, helium and argon

Producing and storing your own gas supply is the most cost-effective solution while also ensuring your independence from vendors. Atlas Copco's 200-bar booster delivers the high pressure you need to bottle the gas you generate. It can also be used for applications that require high-pressure air or gases, such as PET bottling or laser cutting. 100% oil-free, the booster avoids any risk of contamination in production environments that demand extreme purity.

Strong performance

- 100% oil-free.
- Cooling via internal refrigerant group for +/- 20°C outlet temperature.
- Minimal maintenance: extremely low RPM.

Flexible use

- Compressed air, oxygen, nitrogen, helium or argon up to 200 bar.
- Available in 3 to 15 kW.
- High pressure generation for direct use and bottling.

Energy efficiency

• Variable frequency drive through in- and outlet pressure.

High reliability

- Direct driven engine with gearbox eliminating belt wear.
- Closed system preventing any ventilation losses.



TECHNICAL SPECIFICATIONS NGM SERIES

TYPE		Nitroge	n purity		Dimensions	(W x D x H)	Weight		
		95%	96%	97%	mm	in	kg	lbs	
NGM 1	FND Nm³/h	11.9	9.7	7.6					
	FND scfm	6.9	5.7	4.4	820 x 772 x 2090	32.3 x 30.4 x 82.3	259	571	
	Air factor	2.6	3	3.5					
	FND Nm³/h	24.1	19.4	15.1					
NGM 2	FND scfm	14.1	11.3	8.8	820 x 772 x 2090	32.3 x 30.4 x 82.3	268	591	
	Air factor	2.6	3	3.5					
NGM 3	FND Nm³/h	42.1	34.6	27.4		32.3 x 30.4 x 82.3			
	FND scfm	24.6	20.2	16.0	820 x 772 x 2090		285	628	
	Air factor	2.6	3	3.5					
	FND Nm³/h	83.9	69.5	54.7		32.3 x 57.9 x 82.3	445		
NGM 4	FND scfm	48.9	40.5	31.9	820 x 1470 x 2090			981	
	Air factor	2.6	3	3.5					
	FND Nm³/h	126.0	104.0	82.1		32.3 x 57.9 x 82.3	497		
NGM 5	FND scfm	73.5	60.7	47.9	820 x 1470 x 2090			1096	
	Air factor	2.6	3	3.5					
	FND Nm³/h	168.1	138.6	109.1					
NGM 6	FND scfm	98.1	80.9	63.6	820 x 1470 x 2090	32.3 x 57.9 x 82.3	535	1179	
	Air factor	2.6	3	3.5					
	FND Nm³/h	209.9	173.2	136.4					
NGM 7	FND scfm	122.4	101.0	79.6	820 x 1470 x 2090	32.3 x 57.9 x 82.3	571	1259	
	Air factor	2.6	3	3.5					

TECHNICAL SPECIFICATIONS NGM+ SERIES

TYPE		Nitroge	n purity		Dimensions	s (W x D x H)	Weight		
		95%	97%	99%	mm	in	kg	lbs	
	FND Nm³/h	24.3	16.5	8.5					
NGM 1 ⁺	FND scfm	14.1	9.6	4.9	820 x 772 x 2090	32.3 x 30.4 x 82.3	259	571	
	Air factor	2.2	2.7	4.2					
NGM 2 ⁺	FND Nm³/h	48.6	33.0	17.0					
	FND scfm	28.3	19.2	9.9	820 x 772 x 2090	32.3 x 30.4 x 82.3	268	591	
	Air factor	2.2	2.7	4.2					
NGM 3 ⁺	FND Nm³/h	72.9	49.5	25.5		32.3 x 30.4 x 82.3	285		
	FND scfm	42.4	28.8	14.8	820 x 772 x 2090			628	
	Air factor	2.2	2.7	4.2					
	FND Nm³/h	97.2	66.0	34.0		32.3 x 57.9 x 82.3	445		
NGM 4 ⁺	FND scfm	56.5	38.4	19.8	820 x 1470 x 2090			981	
	Air factor	2.2	2.7	4.2					
	FND Nm³/h	145.8	99.0	51.0		32.3 x 57.9 x 82.3	497		
NGM 5 ⁺	FND scfm	84.8	57.6	29.7	820 x 1470 x 2090			1096	
	Air factor	2.2	2.7	4.2					
	FND Nm³/h	194.4	132.0	68.0					
NGM 6+	FND scfm	113.0	76.7	39.5	820 x 1470 x 2090	32.3 x 57.9 x 82.3	535	1179	
	Air factor	2.2	2.7	4.2					
	FND Nm³/h	243.0	165.0	85.0					
NGM 7+	FND scfm	141.3	65.9	49.4	820 x 1470 x 2090	32.3 x 57.9 x 82.3	571	1259	
	Air factor	2.2	2.7	4.2					

FND: Free Nitrogen Delivery

Reference conditions

Compressed air effective inlet pressure: 8 bar(g)/116 psi(g).

Nitrogen outlet pressure: 6.5 bar(g)/94 psi(g).

Ambient air temperature: 20°C/68°F

Pressure dewpoint inlet air: 3°C/37°F.

Pressure dewpoint nitrogen: -40°C/-40°F.

Unit inlet air quality 1.4.1 according to ISO 8573-1:2010.

Minimum refrigerant dryer required to precondition inlet air.

Typical nitrogen quality 1.2.1 according to ISO 8573-1:2010.

Operating limits

Minimum ambient temperature: 5°C/41°F. Maximum ambient temperature: 50°C/122°F. Maximum compressed inlet air pressure 13 bar(g)/189 psi(g).



TECHNICAL SPECIFICATIONS NGP SERIES

TVDE			Nit	rogen puri	ty FND (Fr	ee Nitroge	n Delivery)				Dimensions	(W x D x H)	Weight			
TYPE		95%	97%	98%	99%	99.50%	99.90%	99.95%	99.99%	99.999%	mm	in	kg	lbs		
NGP 10	FND scfm	13.1	10.2	8.6	6.6	5.4	3.5	2.6	1.8	1.0	798 x 840 x 2022	31.4 × 33.1 × 79.6	244	538		
1401 10	FND Nm³/h	22.3	17.4	14.6	11.3	9.1	5.9	4.4	3.1	1.7	700 X 040 X 2022	01.4 × 00.1 × 70.0	244	555		
NGP 12	FND scfm	16.9	13.2	11.1	8.5	6.9	4.5	3.4	2.3	1.3	798 x 840 x 2022	31.4 x 33.1 x 79.6	257	567		
	FND Nm³/h	28.8	22.4	18.8	14.5	11.7	7.6	5.7	3.9	2.2						
NGP 15	FND scfm	20.7	16.1	13.5	10.4	8.4	5.5	4.1	2.8	1.6	798 x 840 x 2022	31.4 x 33.1 x 79.6	270	595		
	FND Nm³/h FND scfm	35.2 26.3	27.4 20.5	23.0 17.2	17.7 13.2	14.3 10.7	9.3 6.9	7.0 5.2	4.8 3.6	2.7 2.0						
NGP 20	FND Nm³/h	26.3 44.7	34.9	29.3	22.5	18.2	11.8	8.9	6.1	3.4	798 x 840 x 2022	31.4 x 33.1 x 79.6	306	675		
	FND scfm	33.8	26.4	29.3	17.1	13.8	8.9	6.7	4.6	2.6						
NGP 250	FND Nm³/h	57.5	44.9	37.6	29.0	23.4	15.2	11.4	7.9	4.4	798 x 840 x 2022	31.4 x 33.1 x 79.6	339	747		
	FND scfm	41.3	32.3	27.0	20.9	16.8	10.9	8.2	5.7	3.1						
NGP 30	FND Nm³/h	70.3	54.9	46.0	35.5	28.6	18.6	14.0	9.7	5.3	798 x 840 x 2022	31.4 x 33.1 x 79.6	360	794		
	FND scfm	50.7	39.6	33.2	25.6	20.6	13.4	10.1	7.3	4.2	700 040 0000					
NGP 35	FND Nm³/h	86.3	67.3	56.5	43.5	35.1	22.8	17.1	12.4	7.1	798 x 840 x 2022	31.4 x 33.1 x 79.6	599	1321		
NOD 40	FND scfm	62.0	48.4	40.6	31.3	25.2	16.4	12.3	8.9	5.1	700 040 0000	700 040 0000	700 040 0000	04.4 00.4 70.0	007	4000
NGP 40	FND Nm³/h	105.5	82.3	69.1	53.2	42.9	27.9	20.9	15.2	8.7	798 x 840 x 2022	31.4 x 33.1 x 79.6	627	1382		
NGP 50	FND scfm	67.6	52.7	44.3	34.1	27.5	17.9	13.4	9.7	5.6	798 x 840 x 2022	31.4 x 33.1 x 79.6	663	1462		
NGP 50	FND Nm³/h	115.0	89.7	75.3	58.0	46.8	30.4	22.8	16.5	9.5	796 X 640 X 2022	31.4 X 33.1 X 73.0	003	1402		
NGP 60	FND scfm	82.7	52.7	44.3	34.1	27.5	17.9	13.4	9.7	5.6	798 x 840 x 2022	31.4 x 33.1 x 79.6	716	1579		
1401 00	FND Nm³/h	140.7	109.8	92.1	70.9	57.2	37.2	27.9	20.2	11.6	750 X 040 X 2022	31.4 X 33.1 X 73.0	710	1373		
NGP 70	FND scfm	93.9	71.3	60.4	51.2	41.3	26.8	19.1	13.6	8.3	798 x 840 x 2022	798 x 840 x 2022 3	31.4 x 33.1 x 79.6	805	1775	
	FND Nm³/h	159.7	121.2	102.7	87.0	70.2	45.6	32.5	23.1	14.2	700 % 0 10 % 2022	01.17.00.17.70.0				
NGP 85	FND scfm	-	71.3	60.4	51.2	41.3	26.8	19.1	13.6	8.3	798 x 840 x 2022	31.4 x 33.1 x 79.6	1018	2244		
	FND Nm³/h	-	148.3	125.6	106.4	85.8	55.8	39.8	28.3	17.4						
NGP 100	FND scfm FND Nm³/h	-	-	73.9 138.1	62.6	50.5 91.2	32.8 59.1	23.4 46.5	16.6 34.0	10.2 20.5	798 x 840 x 2022	31.4 x 33.1 x 79.6	1191	2626		
	FND Nmyn FND scfm	-	-		108.8 64.0	53.6	34.8	46.5 27.3	20.0	12.1						
NGP 115	FND Nm³/h	-		-	126.5	104.2	64.7	53.0	37.7	23.3	798 x 840 x 2022	31.4 x 33.1 x 79.6	1191	2626		
	FND scfm	239.3	191.5	167.5	130.5	110.8	77.7	65.9	40.7	18.0						
NGP 185	FND Nm³/h	406.9	325.6	284.9	221.8	188.2	132.3	136.3	69.2	30.5	1000 x 1765 x 2530	39.4 x 69.5 x 99.6	2150	4740		
	FND scfm	341.2	269.4	216.0	182.6	149.7	101.7	74.8	50.8	21.6						
NGP 250	FND Nm³/h	579.9	457.8	367.3	310.3	254.3	173.0	155.7	86.5	36.6	1000 x 1965 x 2970	39.4 x 77.4 x 117.0	3200	7055		
	FND scfm	580.5	454.9	371.1	311.3	251.4	167.5	122.6	83.9	36.4						
NGP 420	FND Nm³/h	986.8	773.2	630.8	529.0	427.3	284.9	254.3	142.2	62.1	1240 x 2520 x 3160	48.8 x 99.2 x 124.4	4200	9259		
NOD FFO	FND scfm	748.1	592.6	493.9	413.0	326.2	227.5	173.7	115.0	48.5	4400 0000 0000	55.0 440.4 404.4	4000	10000		
NGP 550	FND Nm³/h	1271.7	1007.2	839.3	702.0	554.5	386.6	360.1	195.3	82.4	1420 x 2880 x 3330	55.9 x 113.4 x 131.1	4900	10803		
NCD 000	FND scfm	1167.2	868.0	748.3	628.4	538.6	347.1	257.3	179.6	73.1	2400 × 2520 × 2400	076 00 2 124 4	8400	10510		
NGP 900	FND Nm³/h	1983.9	1475.2	1271.7	1068.2	915.6	590.1	534.1	305.2	124.1	2480 x 2520 x 3160	97.6 x 99.2 x 124.4	8400	18519		
NGP 1100	FND scfm	1556.3	1197.1	957.8	808.0	658.5	418.9	305.2	227.5	77.7	2840 x 2880 x 3330	111.8 x 113.4 x 131.1	9800	21605		
1401 1100	FND Nm³/h	2645.1	2034.7	1627.8	1373.4	1119.1	712.2	632.8	386.6	132.3	20-0 A 2000 A 3330	111.0 x 110.4 x 101.1	3000	21000		

TECHNICAL SPECIFICATIONS NGP+ SERIES

TYPE			Nit	rogen puri	ty FND (Fr	ee Nitroge	n Delivery)			Nitrogen purity FND (Free Nitrogen Delivery)										
		95%	97%	98%	99%	99.50%	99.90%	99.95%	99.99%	99.999%	mm	in	kg	lbs						
	FND scfm	10.4	8.0	6.9	5.5	4.6	3.2	2.4	1.8	1.0										
NGP 8+	FND Nm³/h	17.7	13.6	11.7	9.4	7.9	5.5	4.1	3.0	1.7	775 x 840 x 2015	30 x 33 x 79	276	609						
	Air factor	1.86	2.02	2.13	2.36	2.59	3.19	3.51	4.33	6.3										
	FND scfm	13.4	10.3	8.9	7.1	6.0	4.2	3.1	2.3	1.3										
IGP 10+	FND Nm³/h	22.8	17.6	15.0	12.1	10.1	7.1	5.3	3.9	2.2	775 x 840 x 2015	30 x 33 x 79	289	637						
	Air factor	1.86	2.02	2.13	2.36	2.59	3.19	3.51	4.33	6.3										
	FND scfm	16.4	12.6	10.8	8.7	7.3	5.1	3.8	2.8	1.6										
IGP 12+	FND Nm³/h	27.8	21.5	18.4	14.7	12.4	8.7	6.5	4.7	2.7	775 x 840 x 2015	30 x 33 x 79	312	688						
	Air factor	1.86	2.02	2.13	2.36	2.59	3.19	3.51	4.33	6.3										
NGP 15+	FND scfm	20.8	16.1	13.8	11.0	9.3	6.5	4.9	3.5	2.0										
	FND Nm³/h	35.4	27.3	23.4	18.7	15.7	11.0	8.3	6.0	3.5	775 x 840 x 2015	30 x 33 x 79 335	335	739						
	Air factor	1.86	2.02	2.13	2.36	2.59	3.19	3.51	4.33	6.3										
	FND scfm	26.8	20.7	17.7	14.2	11.9	8.3	6.3	4.5	2.6										
NGP 20+	FND Nm³/h	45.5	35.1	30.1	24.1	20.2	14.2	10.7	7.7	4.5	775 x 840 x 2015	30 x 33 x 79	367	808						
	Air factor	1.86	2.02	2.13	2.36	2.59	3.19	3.51	4.33	6.3										
NGP 25+	FND scfm	32.8	25.3	21.7	17.4	14.6	10.2	7.7	5.5	3.2										
	FND Nm³/h	55.7	43.0	36.8	29.5	24.7	17.3	13.0	9.4	11.8	775 x 840 x 2015	30 x 33 x 79	410	904						
	Air factor	1.86	2.02	2.13	2.36	2.59	3.19	3.51	4.33	6.3										
	FND scfm	40.2	31.0	26.6	21.3	17.9	12.5	9.4	6.9	4.5										
IGP 30+	FND Nm³/h	68.3	52.7	45.1	36.2	30.3	21.3	16.0	11.8	7.7	1400 x 840 x 2015	55 x 33 x 79	5 x 33 x 79 208	134						
	Air factor	1.86	2.02	2.13	2.36	2.59	3.19	3.51	4.33	5.57										
	FND scfm	49.2	37.9	32.5	26.0	21.8	15.3	11.5	8.5	5.6	1400 × 840 × 2015	1400 x 840 x 2015 55 x 33 x 79								
IGP 35+	FND Nm³/h	83.5	64.5	55.2	44.2	37.1	26.0	19.6	14.4	9.4			648	142						
	Air factor	1.86	2.02	2.13	2.36	2.59	3.19	3.51	4.33	5.57										
	FND scfm	53.6	41.4	35.4	28.4	23.8	16.7	12.5	9.2	6.1	1400 x 840 x 2015 55 x 33 x 79									
IGP 40+	FND Nm³/h	91.0	70.3	60.2	48.2	40.5	28.4	21.3	15.7	10.3		55 x 33 x 79	681	1502						
	Air factor	1.86	2.02	2.13	2.36	2.59	3.19	3.51	4.33	5.57										
	FND scfm	65.5	50.6	43.3	34.7	29.1	20.4	15.3	11.3	7.4										
IGP 50+	FND Nm³/h	111.3	85.9	73.6	59.0	49.5	34.7	26.1	19.2	12.6	1400 x 840 x 2015	55 x 33 x 79	734	1618						
	Air factor	1.86	2.02	2.13	2.36	2.59	3.19	3.51	4.33	5.57										
	FND scfm	73.7	56.8	49.1	38.9	32.9	23.3	18.8	13.9	9.1										
IGP 60+	FND Nm³/h	125.2	96.5	83.5	66.1	55.8	39.6	32.0	23.6	15.4	1400 x 970 x 2015	55 x 38 x 79	764	168						
	Air factor	1.89	2.08	2.21	2.43	2.66	3.33	3.51	4.33	5.57										
	FND scfm	90.1	69.4	60.1	47.6	40.2	28.5	23.0	17.0	11.1										
IGP 70+	FND Nm³/h	153.1	118.0	102.1	80.9	68.3	48.4	39.1	28.8	18.9	1400 x 970 x 2015	55 x 38 x 79	1039	229						
	Air factor	1.89	2.1	2.21	2.43	2.66	3.33	3.51	4.33	5.57										
	FND scfm	-	88.0	70.0	57.0	49.9	35.4	27.8	20.8	13.0										
GP 85+	FND Nm³/h	-	149.5	118.9	96.8	84.8	60.1	47.3	35.3	22.1	1400 x 970 x 2015	55 x 38 x 79	1209	266						
	Air factor	-	2.04	2.15	2.45	2.60	3.18	3.26	3.94	5.46										
	FND scfm	-	92.6	80.1	63.5	53.6	38.0	30.7	22.6	14.8										
GP 100+	FND Nm³/h	-	157.3	136.1	107.8	91.0	64.5	52.1	38.4	25.2	1400 x 970 x 2015	55 x 38 x 79	1209	266						
	Air factor	-	2.08	2.21	2.43	2.66	3.33	3.51	4.33	5.57										

TECHNICAL SPECIFICATIONS OGP SERIES

TYPE		Oxygen purity FOD (F	Free Oxygen Delivery)	Dimensions	(W x D x H)	Weight		
TYPE		90%	93%	95%	mm	in	kg	lbs	
OGP 2	FOD Nm³/h	2.1	1.6	1.5	600 x 600 x 1550	23.6 × 23.6 × 61.0	100	220	
	FOD scfm	1.3	1.1	0.8	000 X 000 X 1000			220	
OGP 3	FOD Nm³/h	3.2	2.5	2.5	600 × 600 × 1600	23.6 x 23.6 x 63.0	150	331	
	FOD scfm	1.9	1.5	1.5					
OGP 4	FOD Nm³/h	4.0	3.6	3.2	600 x 600 x 1650	23.6 x 23.6 x 65.0	180	397	
	FOD scfm	2.3	2.1	1.9					
OGP 5	FOD Nm³/h	4.7	4.3	4.0	700 × 700 × 1900	27.6 x 27.6 x 74.8	230	507	
	FOD scfm	2.8	2.5	2.3					
OPG 6	FOD Nm³/h	6.5	5.8	5.4	800 × 900 × 1750	31.5 x 35.4 x 68.9	400	882	
	FOD scfm	3.8	3.4	3.2					
OGP 8	FOD Nm³/h	7.9	7.2	6.8	800 × 900 × 1750	31.5 x 35.4 x 68.9	700	1543	
	FOD scfm	4.7	4.2	4.0					
OGP 10	FOD Nm³/h	9.7	9.0	8.3	900 x 1200 x 2100	35.4 x 47.2 x 82.7	950	2094	
	FOD scfm	5.7	5.3	4.9					
OGP 14	FOD Nm³/h	14.4	13.3	12.2	900 x 1200 x 2100	35.4 x 47.2 x 82.7	950	2094	
	FOD scfm	8.5	7.8	7.2					
OGP 18	FOD Nm³/h	15.5	18.4	18.4 10.8	900 x 1300 x 2400	35.4 x 51.1 x 94.5	1150	2535	
	FOD Novalle	9.1	10.8						
OGP 20	FOD Nm³/h	20.5	19.4	18.4 10.8	1000 x 1300 x 2400	39.4 x 51.1 x 94.5	1150	2535	
	FOD scfm FOD Nm³/h	12.1 23.4	11.4 21.2	20.5					
OGP 23	FOD NITION	13.8	12.5	12.1	1000 x 1300 x 3200	39.4 x 51.1 x 126.0	1350	2976	
	FOD Nm³/h	29.2	27.7	26.3					
OGP 29	FOD Niffyii FOD scfm	17.2	16.3	15.5	1000 x 2000 x 2500	x 2000 x 2500 39.4 x 78.7 x 98.4	1.4 x 78.7 x 98.4 1850	4079	
	FOD Nm³/h	35.3	33.1	31.7					
OGP 35	FOD scfm	20.8	19.5	18.6	1000 x 2000 x 2500	39.4 x 78.7 x 98.4	2150	4740	
	FOD Nm³/h	45.4	42.8	39.2					
OGP 45	FOD scfm	26.7	25.2	23.1	1000 x 2000 x 3400	39.4 x 78.7 x 134.0	3500	7716	
	FOD Nm³/h	55.8	51.8	49.0					
OGP 55	FOD scfm	32.8	30.5	28.8	1000 x 2000 x 3400	39.4 x 78.7 x 134.0	3500	7716	
	FOD Nm³/h	66.2	64.1	56.9					
OGP 65	FOD scfm	39.0	37.7	33.5	1000 x 2000 x 3400	39.4 x 78.7 x 134.0	3500	7716	
	FOD Nm³/h	85.3	79.2	74.2					
OGP 84	FOD scfm	50.2	46.6	43.6	2400 x 2200 x 3200	94.5 x 86.6 x 126.0	4200	9259	
	FOD Nm³/h	106.9	101.9	93.6					
OGP 105	FOD scfm	62.9	59.9	55.1	2400 x 2400 x 3300	94.5 x 94.5 x 130.0	4900	10803	
	FOD Nm³/h	157.7	154.8	143.6			8000		
OGP 160	FOD scfm	92.8	91.1	84.5	4000 x 4000 x 3200	157.5 x 157.5 x 126.0		17637	
000.000	FOD Nm³/h	203.8	188.3	175.0	4000 4000 6000	4575 4575 465.5	0.400	00700	
OGP 200	FOD scfm	119.9	110.8	102.9	4000 x 4000 x 3300	157.5 x 157.5 x 130.0	9400	20723	

FND: Free Nitrogen Delivery

Reference conditions

Compressed air effective inlet pressure: 7.5 bar(g)/108 psi(g) for NGP, 7 bar(g)/102 psi(g) for NGP*. Nitrogen outlet pressure: 6 bar(g)/87 psi(g). Ambient air temperature: 20°C/68°F. Pressure dewpoint inlet air: 3°C/37°F. Pressure dewpoint nitrogen: -50°C/-58°F. Unit inlet air quality 1.4.1 according to ISO 8573-1:2010. Minimum refrigerant dryer required to precondition inlet air. Typical nitrogen quality 1.2.1 according to ISO 8573-1:2010.

Operating limits

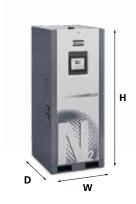
Minimum ambient temperature: 5°C/41°F. Maximum ambient temperature: 45°C/113°F for NGP, 60°C/140°F for NGP+. Maximum compressed inlet air pressure 10 bar(g)/145 psi(g) for NGP, 13 bar/189 psi(g) for NGP*.

FOD: Free Oxygen Delivery

Reference conditions
Compressed air effective inlet pressure: 7.5 bar(g)/108 psi(g). Oxygen outlet pressure: 5 bar(g)/72 psi(g). Ambient air temperature: 20°C/68°F. Pressure dewpoint inlet air: 3°C/37°F. Pressure dewpoint oxygen: -50°C/-58°F.
Unit inlet air quality 1.4.1 according to ISO 8573-1:2010. Minimum refrigerant dryer required to precondition inlet air. Typical oxygen quality 1.2.1 according to ISO 8573-1:2010

Operating limits

Minimum ambient temperature: 5°C/41°F. Maximum ambient temperature: 45°C/113°F. Maximum compressed inlet air pressure 10 bar(g)/145 psi(g).



NGP 8-100+ NGP 10-115



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NGP 185-1100



NGM/NGM+



OGP

We stand by our responsibilities towards our customers, towards the environment and the people around us. We make performance stand the test of time. This is what we call – Sustainable Productivity.



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