

Oxygen generators PSA technology

OGP+ 3-30

On-site oxygen generation with best-in-class benefits

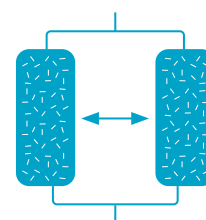
Generating your own oxygen instead of buying it, is a smart idea. Choosing an Atlas Copco OGP+ is even smarter. Thanks to its revolutionary engineering, the OGP+ delivers oxygen generation performance and efficiency unrivalled on the market. The plug-and-play OGP+ allows you to choose the correct purity level for your application with the touch of a button. As a result, you enjoy the freedom, continuity and reliability of on-site generation at a much lower cost per unit of O₂.



30%
more efficient

70% extra energy
savings

PSA inside



Cost savings

- 30% less feed air required than a traditional gas generator.
- Variable Cycle Saver ensures up to 70% additional energy savings during low demand.
- Thanks to its feed air efficiency and best-in-class ZMS utilization, the OGP+ delivers double-digit reductions in the total cost per unit of oxygen.



Hands-off performance

- Easy oxygen purity selection via the controller for maximum operational savings.
- 24/7 monitoring and automatic adjustment of the O₂ purity protect your application.
- Continuous monitoring and automatic adjustment of the feed air safeguard the integrity of the adsorbent media.



Reliability

- Continuous supply of oxygen at guaranteed purity.
- Every component in contact with oxygen is cleaned for O₂ service.
- Can be combined with a cylinder or bulk gas supply system.



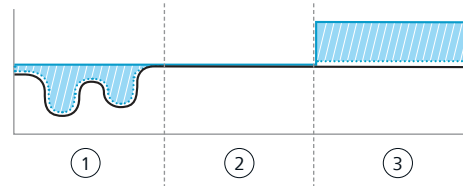
Advanced features, superior benefits

- Complete machine with O₂ sensor, digital flow meter, and pressure regulator included as standard.
- Small footprint thanks to:
 - Best-in-class usage of zeolite molecular sieve (ZMS) adsorbent material.
 - Intelligent-design and approval-friendly aluminum extrusions.
- Advanced controller with large HD color touchscreen offers easy gas purity selection, purity alerts, and connectivity options.
- Automatic start-up allows for plug-and-play installation.
- Feed air monitoring and interception.
- Oxygen purity monitoring and interception. The zirconia oxygen sensor's long lifetime reduces service intervention needs and costs.

Variable Cycle Saver

Most users don't need to utilize the maximum capacity of their oxygen generator all the time. Our in-house developed Variable Cycle Saver (VCS) eliminates energy waste during lower demand and in colder temperatures, giving you up to 70% additional energy savings.

Enjoy 70%
extra energy
savings



- Generator capacity
- ▨ Feed air & energy savings
- ⋯ VCS-optimized generator capacity
- Oxygen demand

- ① Low load: When there is less demand for O₂, VCS optimizes the PSA cycle to reduce the generator capacity and thus the feed air consumption to what is needed to generate the lower volume.
- ② Full load: The generator is sized for reliable production at full load in hot temperatures (if applicable). In these conditions, VCS is not needed.
- ③ Seasonal efficiency: At full load in cold conditions, an oxygen generator works more efficiently, increasing its capacity. Here, the VCS of the OGP⁺ will also kick in to reduce feed air and energy costs.

Technical specifications

Type		Oxygen FOD			Dimensions (W x D x H)		Weight	
		90%	93%	95%	mm	in	kg	lbs
OGP 3 ⁺	FOD Nm ³ /h	3.3	3.0	2.5	796 x 840 x 2015	31 x 33 x 79	318	701
	FOD Scfm	1.9	1.8	1.5				
OGP 6 ⁺	FOD Nm ³ /h	6.6	6.0	5.1	796 x 840 x 2015	31 x 33 x 79	400	882
	FOD Scfm	3.9	3.6	3.0				
OGP 9 ⁺	FOD Nm ³ /h	10.0	9.4	8.3	1421 x 840 x 2015	56 x 33 x 79	624	1376
	FOD Scfm	5.9	5.5	4.9				
OGP 12 ⁺	FOD Nm ³ /h	13.3	12.5	11.1	1421 x 840 x 2015	56 x 33 x 79	706	1556
	FOD Scfm	7.8	7.4	6.5				
OGP 15 ⁺	FOD Nm ³ /h	16.6	15.7	13.9	1421 x 840 x 2015	56 x 33 x 79	788	1737
	FOD Scfm	9.8	9.2	8.2				
OGP 18 ⁺	FOD Nm ³ /h	19.7	18.1	15.2	1421 x 970 x 2015	56 x 38 x 79	970	2138
	FOD Scfm	11.6	10.7	8.9				
OGP 24 ⁺	FOD Nm ³ /h	26.3	24.1	20.3	1421 x 970 x 2015	56 x 38 x 79	1134	2500
	FOD Scfm	15.5	14.2	11.9				
OGP 30 ⁺	FOD Nm ³ /h	32.9	30.2	25.3	1421 x 970 x 2015	56 x 38 x 79	1298	2862
	FOD Scfm	19.3	17.8	14.9				

FOD: Free Oxygen Delivery Reference conditions:

- Compressed air effective inlet pressure: 6 bar(g)/87 psi(g)
- Ambient air temperature: 20°C/68°F
- Inlet air quality [1:4:1] according to ISO 8573-1:2010
- Outlet oxygen quality [1:2:1] according to ISO 8573-1:2010

Options

- Low ambient temperature settings (-10°C/14°F)
- Oxygen quality (PDP) monitoring
- Room oxygen alarm (wall mount)



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