

Atlas Copco

PSA Oxygen Generators

OGP Series (capacity 0.6 - 56 l/s; flow 2 - 200 Nm³/h; purity 90% - 95%)



Atlas Copco's new oxygen generator uses Pressure Swing Adsorption technology to isolate oxygen molecules from other molecules in compressed air. The result is high purity oxygen at the outlet of the generator. The OGP series is a very cost-efficient source of oxygen used in various industries like waste water treatment, ozone production, health care, glass industry, and many others.

Features and Benefits

Ready to Use

- 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
- Performance guaranteed independent from temperature

Cost Savings

- Low installation and running cost – highly efficient technology
- No additional costs such as order processing, refills and delivery charges
- Virtually service free

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

- Oxygen supply according to your need: from 90% to 95% purity
- Very easy to set up the device for other purity levels

High Flow Capacity

- The wide product range and nitrogen flows up to 200 Nm³/h make the new OGP series ideal for applications such as waste water treatment, ozone production, health care, glass and many more

Technical Specifications

| 90.00% | Oxygen capacity* | | | Air consumption | | |
|---------|------------------|-------|--------------------|-----------------|--------|--------------------|
| | l/s | cfm | Nm ³ /h | l/s | cfm | Nm ³ /h |
| OGP 2 | 0.6 | 1.3 | 2.0 | 6.7 | 14.1 | 22.20 |
| OGP 3 | 0.9 | 1.9 | 3.0 | 9.0 | 19.1 | 30.00 |
| OGP 4 | 1.1 | 2.4 | 3.7 | 10.8 | 22.9 | 36.00 |
| OGP 5 | 1.4 | 2.9 | 4.5 | 16.2 | 34.4 | 54.00 |
| OGP 6 | 2.0 | 4.1 | 6.5 | 21.6 | 45.8 | 72.00 |
| OGP 8 | 2.3 | 5.0 | 7.8 | 30.6 | 64.9 | 102.00 |
| OGP 10 | 2.9 | 6.0 | 9.5 | 30.6 | 64.9 | 102.00 |
| OGP 14 | 4.2 | 8.9 | 14.0 | 46.5 | 98.5 | 154.80 |
| OGP 18 | 5.5 | 11.6 | 18.2 | 56.8 | 120.2 | 189.00 |
| OGP 20 | 6.0 | 12.7 | 20.0 | 64.9 | 137.4 | 216.00 |
| OGP 23 | 6.9 | 14.6 | 23.0 | 75.7 | 160.3 | 252.00 |
| OGP 29 | 8.6 | 18.3 | 28.8 | 97.3 | 206.1 | 324.00 |
| OGP 35 | 10.4 | 21.9 | 34.5 | 108.1 | 229.0 | 360.00 |
| OGP 45 | 13.4 | 28.3 | 44.5 | 153.1 | 324.5 | 510.00 |
| OGP 55 | 16.5 | 35.0 | 55.0 | 187.4 | 397.0 | 624.00 |
| OGP 65 | 19.5 | 41.4 | 65.0 | 236.0 | 500.1 | 786.00 |
| OGP 84 | 25.2 | 53.4 | 84.0 | 290.1 | 614.6 | 966.00 |
| OGP 105 | 31.5 | 66.8 | 105.0 | 367.5 | 778.7 | 1224.00 |
| OGP 160 | 46.5 | 98.6 | 155.0 | 551.3 | 1168.1 | 1836.00 |
| OGP 200 | 60.1 | 127.2 | 200.0 | 663.0 | 1404.8 | 2208.00 |

* Performance +/- 5%.

Reference conditions:

| | |
|------------------------------|-----------------------|
| Ambient temperature | 20°C |
| Ambient pressure | 1013 mbar |
| Unit inlet temperature | 20°C |
| Inlet pressure | 7.5 bar(g) |
| Unit outlet nitrogen purity | 90% |
| Compressed air inlet quality | ISO8573-1 class 1-4-1 |

Outputs

| | |
|--|-----------|
| Maximum compressed air inlet temperature | 45°C |
| Maximum ambient temperature | 45°C |
| Minimum compressed air inlet temperature | 5°C |
| Minimum ambient temperature | 0°C |
| Minimum compressed air inlet pressure | 4 bar(g) |
| Maximum compressed air inlet pressure | 10 bar(g) |
| Minimum oxygen purity | 90% |
| Maximum oxygen purity | 95% |

