

PSA OXYGEN GENERATORS STANDARD SERIES

The premium performance

Oxywise Oxygen generators produce high quality oxygen from compressed air by Pressure Swing Adsorption (PSA) method. Our generators represent reliable and cost effective alternative.



Standard Features

- Colored touch screen control
- Built in purity analyzer for constant monitoring
- Data-logging via USB interface
- Modbus TCP, Ethernet connection
- Remote start/stop relay
- Stainless steel piping
- Designed for dynamic pressure loading

Optional add-ons

- Flow control valve – flow & purity adjustment
- Energy saving valve – reduces compressed air usage during turn down
- Purity control – off spec purge
- Sequential start/stop – one button operation
- SMS alarm
- Remote monitoring
- Audio-visual alarm
- and other



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KEY Benefits

- Flexibility
- Cost-effectiveness
- Safety
- Easy operation
- Reliability

| Model | Oxygen capacity | | | | | | Dimensions (LxWxH) cm | Weight kg |
|-------|-----------------|-------------------|------|-------------------|------|-------------------|-----------------------------|--------------|
| | 90% | | 93% | | 95% | | | |
| | kg/h | m ³ /h | kg/h | m ³ /h | kg/h | m ³ /h | | |
| O1 | 0,6 | 0,5 | 0,6 | 0,5 | 0,5 | 0,4 | 58x68x180 | 130 |
| O2 | 1,6 | 1,2 | 1,5 | 1,1 | 1,4 | 1,0 | 62x70x170 | 165 |
| O4 | 3,4 | 2,6 | 3,2 | 2,4 | 2,9 | 2,2 | 65x75x195 | 200 |
| O6 | 4,2 | 3,1 | 3,9 | 2,9 | 3,5 | 2,6 | 65x80x195 | 250 |
| O9 | 5,8 | 4,3 | 5,4 | 4,1 | 4,9 | 3,7 | 78x82x193 | 350 |
| O12 | 8,2 | 6,2 | 7,7 | 5,8 | 6,9 | 5,2 | 82x82x212 | 450 |
| O15 | 11,2 | 8,4 | 10,5 | 7,9 | 9,5 | 7,1 | 87x83x213 | 550 |

Operating conditions

| | |
|---------------------------|----------------------------------|
| Ambient temperature range | 5°C to 50°C |
| Oxygen outlet pressure | 4 to 6barG |
| Oxygen dew point | -50°C (-70°C) |
| Air inlet pressure | 7.5 to 10barG |
| Inlet air quality | ISO: 8573.1:2010 class 1.4.1. |
| Pressure dew point | 3°C |
| Filtration grade | 0.01 micron |
| Power supply | 110-240V / 50-60Hz |

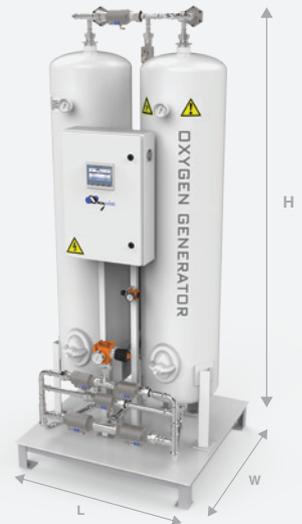
Notes

Performance data is based on 7 barG inlet pressure and 20°C to 30°C ambient temperature.

Flow stated in cubic meter (m3) is with reference conditions, Temperature: 20°C, Pressure: 1.013 barA.

Conversion factor for m3 with reference conditions, Temperature: 0°C, Pressure: 1.013 barA is 0.69 m3/kg.

Designs and specifications are subject to change without notice or obligation.



Typical applications

- Cutting/Welding
- Fish farming
- Glass production
- Gold leaching
- Health-care
- Ozone production
- Veterinary
- Water treatment



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