

# i-Flow O2: oxygen generation system

Part number:



## Description

i-Flow O2 is a modular & expandable Pressure Swing Adsorption (PSA) industrial oxygen generator. The PSA oxygen generator utilizes synthetic Zeolite molecular sieve purification technology to supply high quality, medical grade oxygen, at up to 576L/min, at 5.0 bar pressure and consistent purity.

i-Flow O2 provides a complete oxygen generation system, capable of producing a continuous & on-demand volume of high-quality oxygen for use in aquaculture & fish farms, sewage & wastewater treatment facilities, welding, cutting & brazing and glass-blowing and lampwork applications.

Providing an on-site source of oxygen, in addition to our standalone oxygen generation system, all equipment can be conveniently assembled onto a compact & portable metal skid plate. This configuration simplifies installation & connection to existing oxygen distribution pipework throughout your facility.



## Generator Details

- **Integrated compressor:** No

## Key Features

- **Cost effective industrial** grade oxygen, available on-demand - no more gas deliveries!
- **Highly reliable** & uninterrupted on-site supply of oxygen for industrial applications
- **6 flow rate models** available - 96, 192, 288, 384, 480 and 576 L/min at 90% purity, up to 95% purity available\*
- **Verified purity**, independently tested by the National Physical Laboratory
- **Expandable capacity**, with ability to increase in line with growing oxygen needs
- **Remote monitoring**, live product status information at your fingertips, wherever you are
- **Standalone or turnkey solutions** available, for rapid deployment & flexibility to move as required
- **Robust safety** features, including purity monitoring & bypass safeguard
- **Energy efficient** & low operating costs, with standby mode when no oxygen delivery required
- **Precision engineered** and manufactured in our ISO 9001 centre of excellence
- **Lower carbon footprint** & environmentally friendly

\*flow rate reduces as % purity increases

# [**PEAK Protected**]<sup>TM</sup>

Peak Scientific gas generators define the benchmark in reliability, convenience and performance in laboratories around the world, and come backed with a 12 month warranty. Beyond this period however you can ensure that your investment continues to be **[Protected]** by our comprehensive generator care cover.

Our world-class aftercare support packages deliver a program of scheduled preventative maintenance whilst giving you the reassurance of instant access to worldwide technical support and priority on-site response in the untimely event of a breakdown.

- For ordering parts visit: [www.peakscientific.com/ordering/](http://www.peakscientific.com/ordering/)
- For service plans visit: [www.peakscientific.com/service/service-plans/](http://www.peakscientific.com/service/service-plans/)

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Peak Scientific's Quality Management System conforms to: ISO:9001



## Technical Specifications

### i-Flow O2: oxygen generation system

Max Gas Flow:	420L/min
Max Output Pressure:	5psi/0.3bar
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Max Purity:	95%
Min Inlet Air Quality:	ISO 8573-1:2010 Class 1.2.1
Start Up Time:	Dependent on model
Power Consumption:	250 Watts
Voltage:	100-230 ± 10% VAC
Frequency:	50 / 60 Hz
Current:	2.0-1.0 Amp
Max Operating Temp:	50°C / 122°F
Particles:	<0.01µm
Noise Level:	59dBa @1m
Size (HxWxD) mm	1738 x 500 x 760 mm
Size (HxWxD) Inches	68.4 x 19.7 x 29.9 inches
Generator Weight	197kg / 433.4lbs

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