OXY20 L

Unique Analytical grade Oxygen Generator

Leman Instruments

DESCRIPTION:

LEMAN Instruments designed the OXY20L product line of Oxygen Generators to fit almost any type of application that needs an independent supply of pure Oxygen close to the consumer in a laboratory environment.

Based on the field-proven Pressure Swing Adsorption (PSA) technology, Oxygen is extracted from a set of filters filled with different molecular beds. After the extracting process, O2 is stored in a buffer, and the filtered remaining particulates are down to 0.01µm; finally, the output pressure is regulated electronically to the set value, between 0.5 and 5 bar (7 to 72 psig).

Models with outflows of 0.25, 0.5, 1, 4, and 7 NL/min O2 and purity > 99% O2 are available.

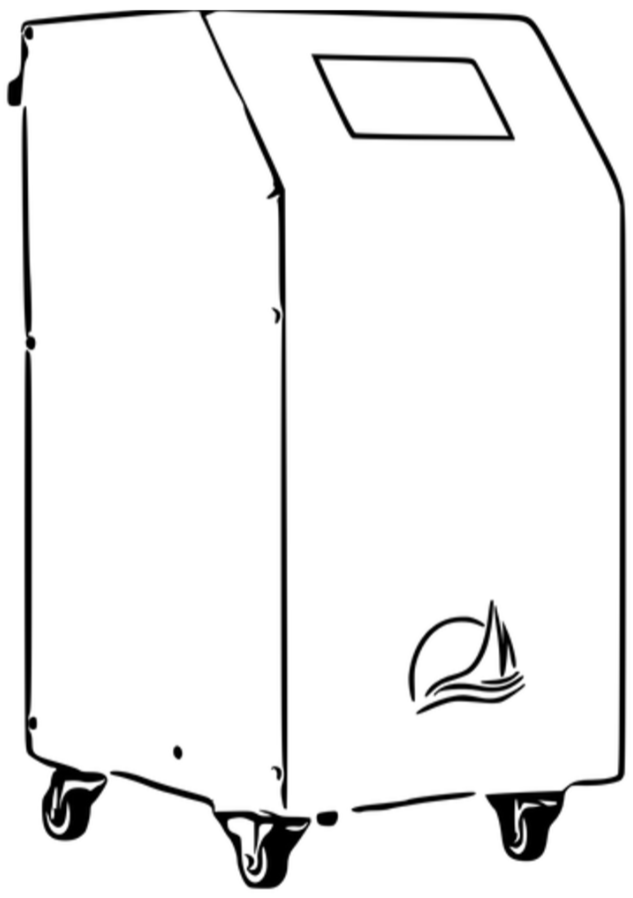
Each instrument has high-performance communication interfaces (USB, Ethernet) to create a flexible gas network with local or central control.

Due to the software being focused on safety, automatic regulation, and reliable communications, the OXY20L is easy to install, reliable, safe, and pleasant to operate.



APPLICATION TYPES:

- NOX efficiency tester
- Spectroscopy
- Any application that requires O2
- Burner Gas
- Sulfur Analyzer



FEATURES:

- Reduces in operation costs. Return on investment within 12 months.
- Improves reproducibility of measurements. Provides high pressure stability.
- Oxygen is available 24/7 at constant purity. No contamination.
- Independent source of O2. Does not require complex piping. It can be easily moved around the laboratory.
- No handling, no storage, no cylinder rental fee.

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MODELS	OXY20 L-250 OXY20 L-500 OXY20 L-1 OXY20 L-4 OXY20 L-7
LPM O2 Outflow @ 1013/20°C	OXY20 L-250: 0.25 LPM OXY20 L-500: 0.500 LPM OXY20 L-1: 1 LPM OXY20 L-4: 4 LPM OXY20 L-7: 7 LPM
O2 purity	App 99% O2, particulates <0.01µm
Dew point	-30°C
Outlet Pressure	From 0.5 to 5 bar (7 to 72 psig)
Dimensions cm / in	OXY20 L-250 / L-500 / L-1 — L:40.5cm, l:32.5cm, H:69cm OXY20 L-4 / L-7 — L:70cm, l:48cm, H:69cm OXY20 L-250 / L-500 / L-1 — L:15.7in, l:12.5in, H:27.1in OXY20 L-4 / L-7 — L:27.5in, l:18.8in, H:27.1in
Net weight (kg/lbs)	40kg-60kg / 88lbs-132lbs

Compressed AIR	Oil-free, dried compressed Air; DIN ISO 8573-1 class 3 with 2-3 bar higher than O2 outlet and a minimum ratio of x50 (require 50LPM of compressed air) for 1LPM of O2
Manual control	Through a 7" TFT-LCD color display with touch screen on the front panel. Display of major parameters, pressure, functioning status, and alarms. Intuitive navigation to functions by menus and sub-menus.
Remote control, Communications	Through Ethernet 10/100 network
Input & Output fittings	Stainless steel 1/8" compression / any connector requested by the customer
Power supply	Automatic switching from 90 to 260 VAC, 47 to 63 Hz
Power consumption (max at full flow)	Maximum 150W
Ambient temperature	+10 to +35°C