

Onyx Ultra

PSA Oxygen Generator



Combining high flow and high output pressure in a self-contained, transportable design makes the Onyx Ultra a premier oxygen generator. With thousands in use throughout the world, it offers time-proven ruggedness and reliability making it the perfect fit for many applications.

Features

- Up to 95% oxygen concentration
- Internal oxygen monitor
- Easy to install and maintain
- Expanded alarms for ease of troubleshooting
- Low operating costs and energy efficient
- Reduced noise level for different environments

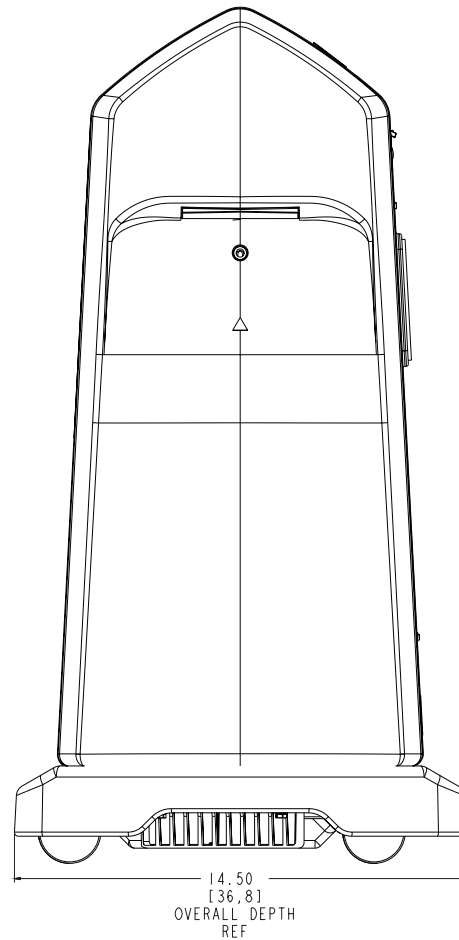
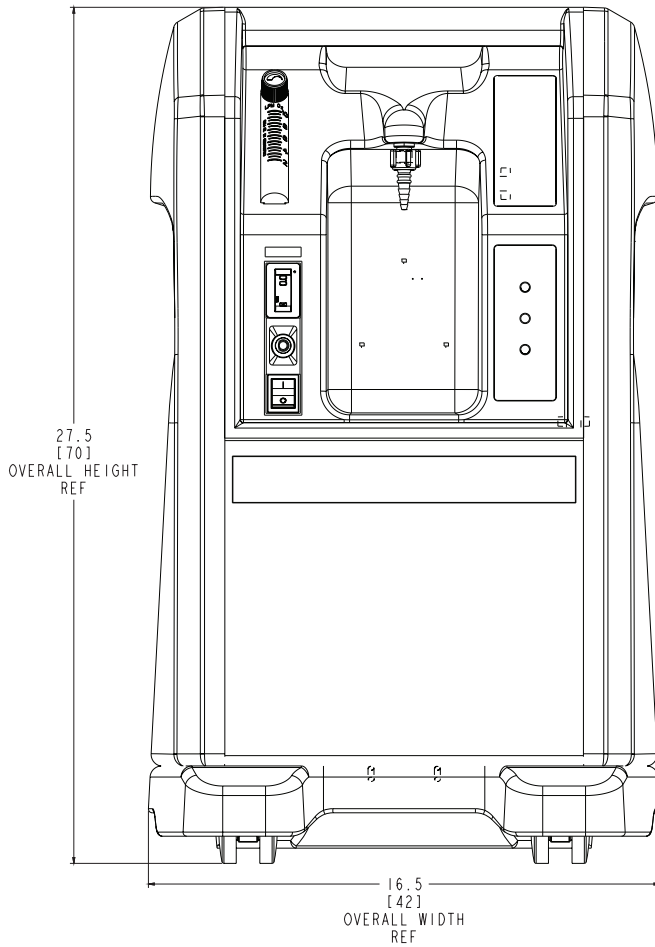
Typical Applications

- Aquaponics
- Environmental Remediation
- Fish Farming
- Glass Work/Blowing
- Jewelry/Brazing/Soldering
- Hydroponics
- Laboratory Experiments
- Ozone (Generator) Feed Gas

Specifications

Product Flow ¹	21 SCFH (0.55 Nm ³ /hr or 10 SLPM)
Product Pressure	20 psig (138 kPa or 1.37 barg)
Oxygen Concentration	90%+5.5%/-3%
Dimensions (W x D x H) (Nominal)	16.5 x 14.5 x 27.5 in (41.9 x 36.8 x 69.9 cm)
Weight	58 lb (26.3 kg)
Physical Connections Product Gas Outlet	B size oxygen adapter
Operating Environment	Locate the oxygen generator in a well-ventilated area that is protected from weather elements and remains between 41°F to 104°F (5°C to 40°C), 15–90% humidity
Control Power Requirements (Single Phase)	120 V ~ ±10%, 60 Hz, 6.0 A 230 V ~ ±10%, 50 Hz, 3.0 A
NRTL Certifications and Approvals	CAN/CSA-C22.2 No. 61010-1-12, UL 61010-1 (120 V configurations only)

¹ SCF (Standard cubic foot) gas measured at 1 atmosphere and 70°F / Nm³ (Normal cubic meter) gas measured at 1 atmosphere and 0°C / SLPM (Standard liters per minute) gas measured at 1 atmosphere and 21°C



Note: All dimensions are nominal.

Ordering Information

Model	Part Number	Description
Onyx Ultra	AS121-1	120 V ~ ±10%, 60 Hz ¹
	AS121-2	220 V ~ ±10%, 50 Hz ¹
Optional Accessories	AN021-1	Oxygen Analyzer (Maxtec Handi)
	AN005-1	Oxygen Analyzer (Maxtec Max O ₂ Plus)
	AN075-1	Oxygen Analyzer/Sensor (Maxtec Max O ₂ Plus)
Shipping Information		Onyx Ultra
Class		92.5
Commodity Classification Number		8421.39.0140
Dimensions (L x W x H)		17 x 16 x 34 in (44 x 40 x 85 cm)
Approximate Gross Weight		66 lb (30 kg)

Warranty: 1 Year Parts and Factory Labor*

* An unprotected or inadequately ventilated environment, or improper control power may cause damage to the oxygen generator not covered under warranty.

All performance ratings based on an ambient temperature up to 100°F (38°C), up to 1,000 feet elevation, and 80% relative humidity.



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