

Oxygen
concentrator

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Topaz Series

Specifically designed for reliability, energy efficiency, and ease-of-use, there are thousands of Topaz PSA Oxygen Generators currently in use throughout the world. The Topaz's ability to deliver up to 95.5% oxygen concentration make it a great fit for a wide range of commercial applications.



Specification

Product characteristics	Topaz	Topaz Plus	Topaz Ultra
Product flow ¹	6 LPM (12 SCFH)	8 LPM (17 SCFH)	10 LPM (21 SCFH)
Product pressure	62 kPa (9 psig)	138 kPa (20 psig)	138 kPa (20 psig)
Product concentration (nominal)	93%	93%	95%
Product dew point	-73 °C (-100 °F)	-73 °C (-100 °F)	-73 °C (-100 °F)
Dimensions (W x D x H) (nominal)	48 x 25 x 68 cm (19 x 10 x 27 in)	48 x 25 x 68 cm (19 x 10 x 27 in)	48 x 25 x 68 cm (19 x 10 x 27 in)
Weight	24 kg (53 lb) [add 0.9 kg (2 lb) for 220 V ~ unit] [add 9 kg (20 lb) for stainless]	25 kg (56 lb) [add 0.9 kg (2 lb) for 220 V ~ unit] [add 9 kg (20 lb) for stainless]	26 kg (58 lb) [add 0.9 kg (2 lb) for 220 V ~ unit] [add 9 kg (20 lb) for stainless]
Physical connection			
Product gas outlet	¼" NPT-M/B-M size oxygen adapter	¼" NPT-M/B-M size oxygen adapter	¼" NPT-M/B-M size oxygen adapter
Ambient operating conditions Locate the oxygen generator in a well-ventilated area that is protected from weather elements and remains between 4 °C (40 °F) and 44 °C (112 °F)			
Control power requirements (single phase)	100V ~ ±10%, 50 or 60 Hz, 5,5 A 120V ~ ±10%, 60 Hz, 5,0 A 220V ~ ±10%, 50 Hz, 2,5 A	120V ~ ±10%, 60 Hz, 5,0 A 220V ~ ±10%, 50 Hz, 2,5 A	120 V ~ ±10%, 50/60 Hz, 3.0 A or 220 V ~ ±10%, 50/60 Hz, 1.0 A

¹ LPM (Liters per minute) gas measured at 1 atmosphere and 21 °C / SCF (Standard cubic foot) gas measured at 1 atmosphere and 70 °F.



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Typical applications

Manufacturing

- Jewelry/brazing/soldering
- Thermal/chemical oxidation

Environmental

- Ozone (generator) feed gas
- Environmental remediation
- Waste/water treatment

Artistic

- Glass work/blowing

Additional

- Fish farming

Features

- Self-contained (includes air compressor)
- Heavy duty metal enclosure
- Quick release fittings for ease of maintenance
- Ozone/high temperature process tubing
- Advanced engineering
- Optional oxygen concentration monitor
- Wall or rack-mount design

Ordering information

Model	Part number	Description
Topaz	AS013-105	120 V ~ ±10%, 60 Hz, with painted aluminum enclosure
	AS013-106	220 V ~ ±10%, 50 Hz, with painted aluminum enclosure
	AS013-107	220 V ~ ±10%, 60 Hz, with painted aluminum enclosure
	AS013-115	120 V ~ ±10%, 60 Hz, with stainless steel enclosure
	AS013-120	220 V ~ ±10%, 50 Hz, with stainless steel enclosure
	AS013-124	120 V ~ ±10%, 60 Hz, with painted aluminum enclosure & oxygen concentration monitor (LED indicator)
	AS013-125	220 V ~ ±10%, 50 Hz, with painted aluminum enclosure & oxygen concentration monitor (LED indicator)
Topaz Plus	AS018-101	120 V ~ ±10%, 60 Hz, with painted aluminum enclosure
	AS018-102	220 V ~ ±10%, 50 Hz, with painted aluminum enclosure
	AS018-110	220 V ~ ±10%, 60 Hz, with painted aluminum enclosure
	AS018-111	120 V ~ ±10%, 60 Hz, with painted aluminum enclosure & oxygen concentration monitor (LED indicator)
	AS018-115	220 V ~ ±10%, 60 Hz, with stainless steel enclosure

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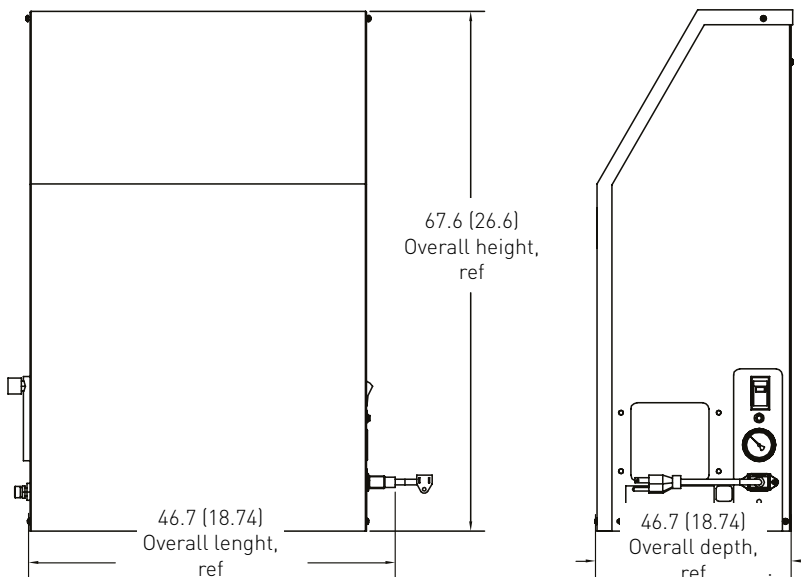
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Ordering information

Topaz Ultra	AS123-2	220 V ~ ±10%, 50 Hz, with painted aluminum enclosure
	AS123-3	220 V ~ ±10%, 50 Hz, with stainless steel enclosure
	AS123-7	120 V ~ ±10%, 60 Hz, with painted aluminum enclosure
	AS123-8	120 V ~ ±10%, 60 Hz, with painted aluminum enclosure & oxygen concentration monitor (LED indicator)
	AS123-9	120 V ~ ±10%, 60 Hz, with stainless steel enclosure
	AS123-10	120 V ~ ±10%, 60 Hz, with stainless steel enclosure & oxygen concentration monitor (LED indicator)

Leveransinformation	Topaz	Topaz Plus	Topaz Ultra
Class	92.5	92.5	92.5
Commodity classification number	8421.39.8040	8421.39.8040	8421.39.8040
Dimensions (W x D x H)	53 x 31 x 74 cm (21 x 12 x 29 in)	53 x 31 x 74 cm (21 x 12 x 29 in)	53 x 31 x 74 cm (21 x 12 x 29 in)
Gross weight	28 kg (61 lb) [add 1.8 kg (4 lb) for 220 V ~unit] [add 9 kg (20 lb) for stainless]	29 kg (64 lb) [add 1.8 kg (4 lb) for 220 V ~unit] [add 9 kg (20 lb) for stainless]	30 kg (66 lb) [add 1.8 kg (4 lb) for 220 V ~unit] [add 9 kg (20 lb) for stainless]

An unprotected or inadequately ventilated environment, or improper control power may cause damage to the oxygen generator. All performance ratings based on an ambient temperature up to 38 °C (100 °F), up to 304.8 meters (1,000 feet) elevation, and 80% relative humidity



Note: All dimensions are nominal

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