

120 l/min VSA Oxygen Generator

Technical Data Sheet



Product Code:

A -120L VSA oxygen generator

The standard generator includes the following skid mounted components:

- Equipment enclosure
- Oxygen generating tank
- Oxygen storage tank
- Interconnecting pipe work

Unlike a PSA oxygen generator, no air compressor is required

Specifications

- Product gas outlet flow rate: 120 l/min; 250 SCFH
- Product purity: 90% \pm 2%
- Contained oxygen flow: 108 l/min (210 Kg/day)
At standard temperature and pressure, assuming continuous 24 hr/day operation @ 90% purity
- Oxygen delivery pressure:
~2-5 psig (~0.14-0.34 bar)

Power

- Electrical: 208-230V, 60Hz, single phase
208-230/460V, 60Hz, three phase
220/380/440V, 50Hz, single phase
(Three phase power requires rotational check)
- Total HP rating: 10 HP
- Power consumption: 5.5 Kw/h @ motor design voltage

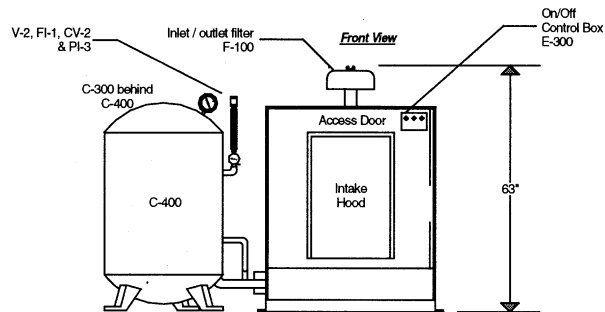
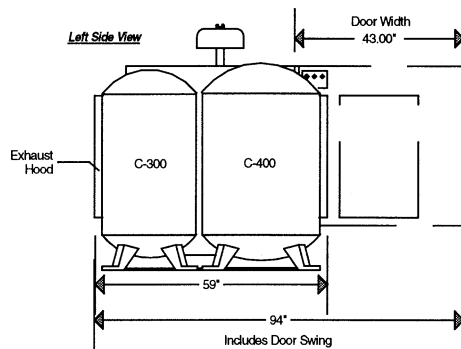
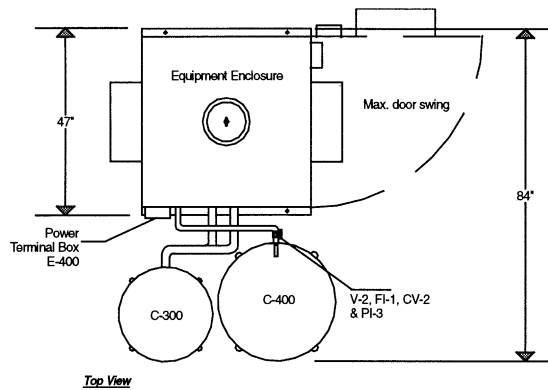
Customer Connection

- Product gas outlet: ¾" FNPT (adaptors available)

Physical Characteristics

- Dimensions: Approx. 84" w x 59" d x 63" h
(2.13m w x 1.52m d x 1.6m h)
Includes equipment enclosure, oxygen generating tank and storage tank, all skid mounted
- Open access door increases width to 94" (2.39m)
- Weight of complete unit: ~2,600 lbs (~1,181Kg)
- Location: the generator can be located either inside or outside a building. In either case, for safety reasons, the generator must have good ventilation for the air inlet/outlet filter housing, which is nitrogen rich, and oxygen deficient

Layout drawing:



Installation

Place generator close to point of use and connect product gas outlet. Connect power supply. For three phase systems, check motor rotation. Nothing else is required.

Options/Add-ons

- Pressure booster (increases oxygen delivery pressure): adjustable to 50 psig (~3.4 bar) maximum. Can be located indoors or outdoors.
- Trailer mounting (North America only)
- Spare parts kit

Warranty

1-year unconditional parts

This generator is sold for use in industrial applications. Please contact Air Products and Chemicals, Inc. on generators for medical applications.

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