

40 l/min VSA Oxygen Generator

Technical Data Sheet



Product Code:

A-040L VSA oxygen generator

The standard generator includes the following skid mounted components:

- Equipment enclosure, containing 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: 40 l/min; 83 SCFH
- Product purity: 90% \pm 2%
- Contained oxygen flow: 36 l/min (~70 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: 3 HP
- Power consumption: 2.8 Kw/h @ motor design voltage

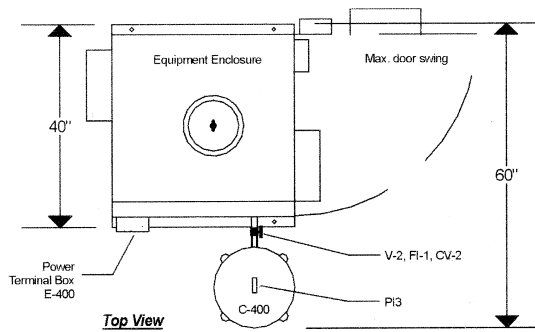
Customer Connection

- Product gas outlet: ½" FNPT (adaptors available)

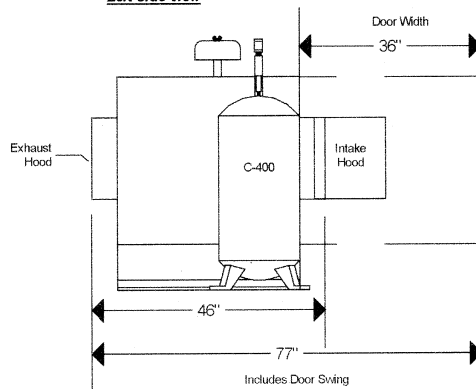
Physical Characteristics

- Dimensions: Approx. 60"w x 46"d x 56"h
(1.52m w x 1.16m d x 1.42m h)
Includes equipment enclosure, oxygen generating tank and storage tank, all skid mounted
- Open access door increases width to 77" (1.95m)
- Weight of complete unit: ~800 lbs (~364 Kg)
- 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

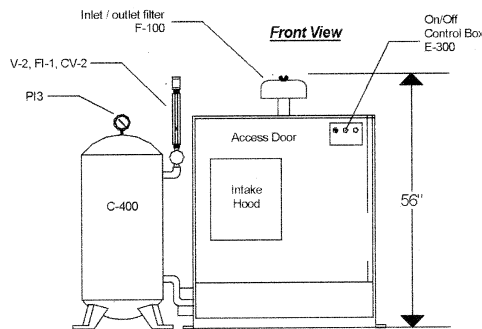
Layout drawing:



Left Side View



Includes Door Swing



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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