

e2

ELECTRONIC OXYGEN CONCENTRATOR



Manufacturers of Quality
Anesthesia Products



Oxygen
on hand & available
24/7

Pure, medical-
grade oxygen
produced
from room air

50 PSI supply
pressure

No more hassle
or costs for tanks,
refills or deliveries

Designed &
made in the USA,
specifically for
veterinary
applications

e2 Oxygen Concentrator outperforms all other concentrators in every category - pressure, flow, oxygen percentage & cost of ownership!

How Does the E2 Work?

1. The e2 draws in room air and separates oxygen from the air, utilizing the Pressure Swing Adsorption Process
2. The e2 compresses the medical grade oxygen to 60 PSI and stores the oxygen in a reservoir for supply-on-demand
3. Once the reservoir pressure builds to 60 PSI, the compressor shuts down and enters Power Saving Mode
4. As your device requires oxygen, the e2 supplies a regulated steady flow of oxygen at 50 PSI. As the reservoir is depleted, the compressor energizes and starts the process over.

- e2 specifications of performance are based on operation at sea level



e2 has high 50 PSI pressure that is 6-10 times more than other concentrators

Why is PSI so important?

- 50 PSI is the "Normal Working Pressure" of all anesthesia machines
- 2005 NFPA 99 standards state oxygen piping systems shall be capable of maintaining 50-55 PSI to all outlets at maximum flow rate
- 99-60 Table of Standard Pressures states oxygen shall be color-coded green and 50-55 PSI supply pressure is the standard
- Daily checklist of all major anesthesia machine manufacturers states the unit shall be connected to an oxygen supply that is turned on and has an adequate supply pressure of 50-55 PSI
- Many machines have low oxygen supply alarms that are set to trigger when supply pressure drops below 50 PSI
- The e2 supplies any anesthesia system, cages or changers with Medical Grade Oxygen at the industry specified 50 PSI
- e2 has the ability to supply 50 PSI flush to the system without need of a backup tank
- The e2 oxygen concentrator is the only compact oxygen concentrator providing the specified 50 PSI pressure for proper anesthesia machine function

Will an oxygen concentrator with a low PSI work?

Yes, however, at the most critical times, when the clinician needs more flow or flush, the low PSI concentrators will not meet the needs of the patient

Anesthesia flush rates on most systems are specified to be between 18 LPM and 30 LPM at 50 PSI.

(Concentrators offering inadequate flows or pressure jeopardize patient safety)

VSA-2100 pictured with mounted e2 and backup oxygen tank



VETLAND

Medical Sales & Services, LLC

Experts in Oxygen Separation & Anesthesia Delivery

e2 Standard Features

- Industry standard DISS oxygen supply inventory
- Built for veterinary applications
- Visual safety alerts
- 24/7 operation
- Oxygen percentage monitor
- Hour meter & flow meter

What makes e2 great?

- Easy to install on any machine
- No hassle of managing oxygen supply inventory
- No booster needed
- Simple operation
- Energy efficient - costs pennies per day
- Minimal maintenance
- Durable
- Low operating cost
- Automatic operation
- Cost justified in as little as 11 months for most clinics
- Optional E-tank manifold allows for easy attachment and E-tank mount for storage of backup tank in case of power failure



MADE IN U.S.A.