

V30C



Praxair's Vacuum Pressure Swing Adsorption (VPSA) oxygen systems are used in a variety of industries – metals, glass, cement, pulp & paper, refining, wastewater and mining. They provide lower unit cost and high reliability for customers requiring oxygen purity from 85-94%.

Praxair pioneered VPSA technology and remains the industry leader. Praxair has installed many VPSA plants worldwide. Praxair's VPSA plants are safe and reliable and provide an effective combination of capital and power efficiency to meet customer requirements worldwide.

The VPSA line offers:

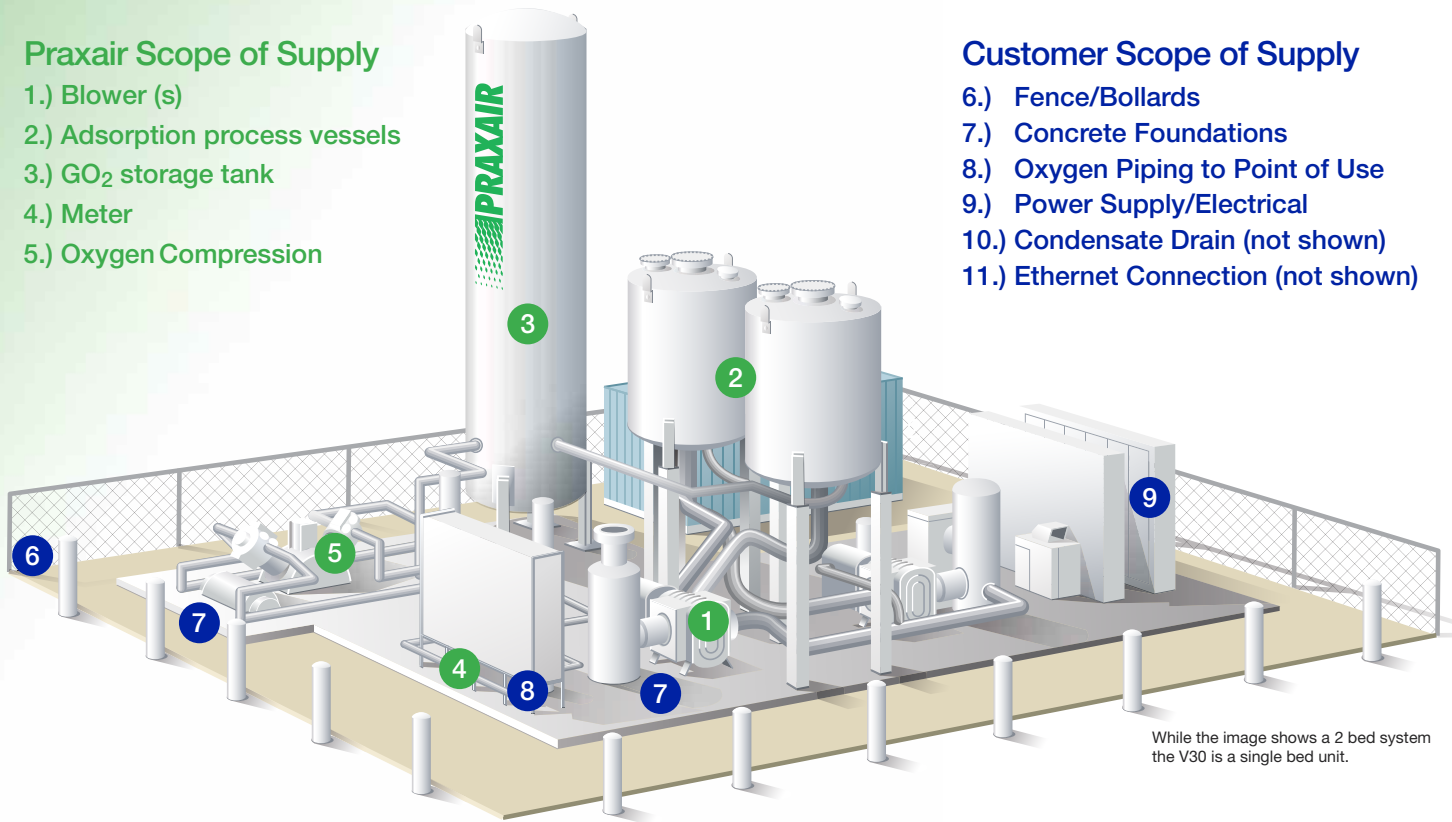
- Leading safety performance
- High reliability
- Remote monitoring and operation
- Liquid backup supply
- Robust design
- Low cost mode of supply
- Industry Leading Power efficiency
- Low turndown
- World-class project execution
- Modular plant design
- Compact plot size
- Minimal customer site prep
- Less installation time
- Reduced noise

Praxair Scope of Supply

- 1.) Blower (s)
- 2.) Adsorption process vessels
- 3.) GO₂ storage tank
- 4.) Meter
- 5.) Oxygen Compression

Customer Scope of Supply

- 6.) Fence/Bollards
- 7.) Concrete Foundations
- 8.) Oxygen Piping to Point of Use
- 9.) Power Supply/Electrical
- 10.) Condensate Drain (not shown)
- 11.) Ethernet Connection (not shown)



While the image shows a 2 bed system the V30 is a single bed unit.

For customers needing up to 36 tons per day of oxygen, the ideal supply is Praxair's V30C. The V30C is a vacuum pressure swing adsorption (VPSA) plant that consists of a feed blower, sieve bed, vacuum blower, surge tank and silencers. The system is designed and shipped on two skids – allowing very rapid field installation and minimum disruption to your site. Product delivery pressure is tailored to each customer's unique requirement.

Plant	V30C
Number of Beds	1
Product Flow (Contained Oxygen), cfh-ntp	36,000
Product Purity (%O ₂)	Up to 94%
Product Pressure – Base Plant (psig)	2.5
Product Pressure with O ₂ Compressor (psig)	10-390
Process Motor HP	600
Product Compressor Motor HP	25-250
Power Feed (Volts)	480
Layout (with O ₂ Compressor, no Backup or Receivers)	88.5' x 47'

Product flows listed above are at 90% purity. Plant capacity will be reduced as purity increases. Product Compressor Motor HP varies with flow and pressure requirements.

VPSA Product Line

