



Product

CAVO Series VPSA O₂ Generator ◀

CanGas CAVO series O₂ generator using advanced Vacuum Pressure Swing Adsorption (VPSA) technology, has excellent performance in unit power consumption, and very high running stability and reliability. They are widely used in water treatment, non-ferrous metallurgy, paper-making, oxygen-rich combustion and so on.

Technical Principle:

The filtered air is delivered to the adsorption vessel of VPSA O₂ system by a blower, after adsorption, equalization and other procedures, product O₂ can be made. At the same time, N₂, CO and water vapor in the air are adsorbed by the adsorbent, when the adsorption saturated, a vacuum pump will work to start desorption to regenerate the adsorbent in the vessel.

Normally, the VPSA system is a double-vessel unit, which makes oxygen continuously by cycling the same process.

Low power consumption

Lower than 0.35KW/h to produce 1 m³ of O₂

Less civil work, easy installation

For some models, standard modulars are available

International standards process design

CE certificate and PED directives, ASME rating and U stamp, GB standard

Experienced global engineering and service team

More than 20 years experience in serving CanGas users around the world

Stable and reliable

Time-proven VPSA technology, fewer moving parts. The systems are manufactured and tested at CanGas ISO9001, ISO45001/14001 certificated factory.



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CanGas®

Air Separation Solutions

Design conditions:

Atmospheric pressure: 101.325 Kpa;

Ambient temperature: 21 °C;

Relative humidity: 80%.

The listed power consumption is converted to unit power consumption based on 100% Pure oxygen generation.

Mode	O ₂ Purity	Capacity	Outlet Pressure	Load Adjustment
CAVO-200	≥90%	≥200 Nm ³ /h	10~40 (Kpa.G)	50%~100%
CAVO-300		≥300 Nm ³ /h		
CAVO-400		≥400 Nm ³ /h		
CAVO-500		≥500 Nm ³ /h		
CAVO-600		≥600 Nm ³ /h		
CAVO-700		≥700 Nm ³ /h		
CAVO-800		≥800 Nm ³ /h		
CAVO-1000		≥1000 Nm ³ /h		
CAVO-1200		≥1200 Nm ³ /h		
CAVO-1500		≥1500 Nm ³ /h		
CAVO-2000		≥2000 Nm ³ /h		
CAVO-2500		≥2500 Nm ³ /h		
CAVO-3000		≥3000 Nm ³ /h		



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