

PSA/VPSA Oxygen Generator

PSA/VPSA oxygen generators produce oxygen from compressed air using Pressure Swing Adsorption (PSA) or Vacuum Pressure Swing Adsorption (VPSA) technology. These systems deliver high oxygen purity, energy efficiency, and automated operation.



Overview

High-Efficiency Oxygen Generation

The PSA/VPSA oxygen generator is engineered to produce high-purity oxygen directly from compressed air using advanced adsorption technology. By utilizing a molecular sieve material to selectively remove nitrogen, the system ensures a continuous and reliable oxygen supply. Designed for industrial robustness, this modular system offers exceptional energy efficiency and automated operation, making it ideal for critical applications ranging from medical oxygen supply to wastewater treatment and chemical processing.

Technical Specifications

Key Features

- High oxygen purity
- Energy-efficient operation
- Automated control system
- Modular design for scalability
- Robust construction

Technology Type	PSA, VPSA
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Applications

Common Industrial Applications

Medical Oxygen Supply • Wastewater Treatment • Combustion Enhancement • Chemical Processing