



SHELVES TECH

Product Title: AST-7 150-Cylinder PSA Oxygen Generator Plant

Industrial-Grade Medical Oxygen Solution | Integrated VFD Technology

Product Overview

The AST-7 PSA Oxygen Generator is a high-performance, on-site oxygen production plant designed for large healthcare facilities. This system provides a permanent solution to the logistical challenges of oxygen cylinder management and the rising costs of liquid oxygen. By producing oxygen on-site, hospitals can achieve complete self-sufficiency and significant operational safety.

Technical Specifications

Component	Specification Details
Model	AST-7 PSA Type
Daily Capacity	150 Cylinders per 24 hours
Flow Rate	\$44 Nm^3/hr\$
Oxygen Purity	93% \$\pm\$ 3%
Outlet Pressure	\$4.2 - 4.5\text{ Kg/cm}^2\$
Compressor Type	Screw type with VFD (Variable Frequency Drive)
Connected Power	45 kW
Storage Tanks	2000 Liter Air Tank & 2000 Liter Oxygen Receiver
Filtration	3-Stage Series: 5 micron, 0.1 micron, and 0.01 micron
Air Dryer	High-Capacity 400 CFM
Control Interface	Microprocessor-based Touch Screen Color Panel

Component	Specification Details
System Weight	4550 kg

Key Features & Advantages

- **Guaranteed Energy Savings:** The integrated **VFD Air Compressor** optimizes power consumption based on real-time oxygen demand.
 - **Cost Efficiency:** Save between **65-70%** annually compared to traditional oxygen procurement.
 - **Safety & Logistics:** Eliminates noise from cylinder loading/unloading and the hazards of high-pressure storage.
 - **Reliable Monitoring:** Automated system with real-time purity and flow tracking.
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Commercial Terms

- **Offer Price:** INR 72,35,000/- (**Rupees Seventy-Two Lakhs Thirty-Five Thousand Only**)
 - **GST:** Extra at 5% (₹3,61,750/-).
 - **Transportation:** ₹50,000/-.
 - **Payment Terms:** 75% advance with purchase order; 25% after delivery.
 - **Warranty:** 12 months from the date of installation.
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Installation Site Requirements

- **Space Required:** 50' x 50' ft area with a minimum height of 12 ft.
 - **Installation Area:** Must be a neat, clean, and shaded area with sufficient ventilation.
 - **Customer Scope:** Electrical cabling (MCB/Bus bar), water drainage, copper piping from the oxygen tank to the manifold, and hot air exhaust ducting.
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Seller Information:

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