



**Where Air
Becomes Asset.**

www.airgen.in

ABOUT AIRGEN



- Airgen Technologies Pvt. Ltd. is a technology-driven engineering company specializing in the manufacturing of air and gas generation systems. We offer customized and high-performance solutions for nitrogen and oxygen generation using PSA, VPSA, and membrane technologies.
- Our strength lies in designing and engineering next-generation solutions for on-site air and gas requirements. We serve industries where purity is non-negotiable, uptime is critical, and performance is everything. From standalone units to integrated plants, we deliver each project with attention to detail and strong after-sales support, earning our position as a trusted name in the air and gas solutions industry.

✧ OUR VISION

- To be a global leader in air and gas generation technologies by empowering industries with smart and sustainable solutions that benefits them in terms of improved productivity, reduced costs, and energy independence. We are committed to excellence and building long term partnerships with our customers.

✧ OUR MISSION

- To be the most trusted partner in gas generation systems by transforming air into value through engineering excellence, continuous innovation and strong commitment to service. We focus on future-ready solutions to help our clients achieve top performance with confidence.

PSA NITROGEN GENERATOR



- Airgen is a trusted manufacturer of PSA Nitrogen Generators, designed to deliver high-purity nitrogen ranging from 99% to 99.999%. Using Pressure Swing Adsorption (PSA) technology, the system features twin towers filled with Carbon Molecular Sieve (CMS) that selectively remove oxygen and moisture from compressed air and thus transforms air into highly pure nitrogen gas that is delivered at application point.
- These generators offer a fully automated, on-site nitrogen supply, eliminating the need for traditional storage cylinders. They are perfect fit for industries requiring precise control on their varying air flow demands and its quality.

✧ KEY FEATURES

- Nitrogen flow: 1 to 1500 Nm³/hr
- Purity level: 99% to 99.999%
- Low air-to-nitrogen ratio design
- Dew point up to -60°C
- Intelligent PLC-HMI control with IoT upgrade
- High-quality CMS for extended life
- Innovative tower design prevents CMS powder formation



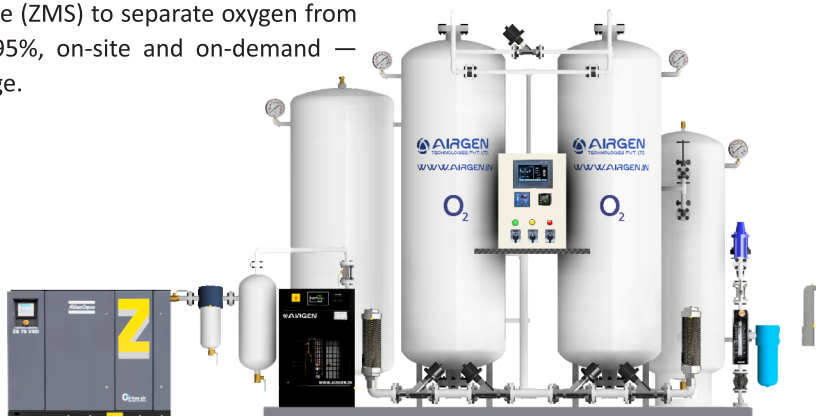
PSA / VPSA OXYGEN GENERATOR



- Airgen is a leading manufacturer of PSA and VPSA Oxygen Gas Generation Plants. These systems offer a modern and cost-effective Alternative to traditional oxygen supply methods.
- PSA units are ideal for medium-capacity needs, while VPSA models are suited for high-volume industrial use. Both use Zeolite Molecular Sieve (ZMS) to separate oxygen from atmospheric air, delivering consistent purity up to 95%, on-site and on-demand — eliminating the need for cylinders or liquid oxygen storage.

✦ KEY FEATURES

- Oxygen flow: 1 to 100 Nm³/hr
- Purity level: 90% to 95%
- High-efficiency ZMS for longer life
- Fully automated with analyzers and alarms
- Built for 24/7 continuous operation
- Reduces risks tied to storage and transport



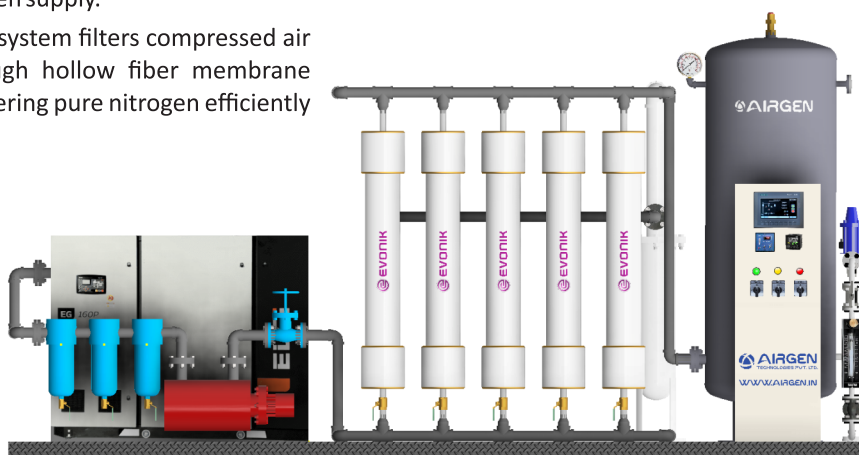
MEMBRANE NITROGEN GENERATOR



- Airgen offers advanced Membrane Nitrogen Generators designed for compact, fast, and silent operation. These units are ideal for industries needing clean and low-maintenance nitrogen supply.
- Using high-performance polymeric membranes, the system filters compressed air to remove impurities. The clean air passes through hollow fiber membrane modules that separate oxygen and water vapor, delivering pure nitrogen efficiently and quietly.

✦ KEY FEATURES

- Nitrogen flow: 1 to 1000 Nm³/hr
- Purity level: 95% to 99%
- Plug & Play – easy installation
- No moving parts – extremely low maintenance
- Compact, silent, and easy to relocate



REFRIGERATED AIR DRYER



- An essential part of any compressed air system, Airgen's Refrigerated Air Dryers improve the efficiency and longevity of equipment like PSA plants, pneumatic tools, and sensitive instruments.
- These dryers work by cooling compressed air to near-freezing temperatures, condensing moisture into liquid form, which is then automatically drained providing dry and clean air that protects downstream systems from corrosion, scaling, and any other operational failure.

✦ KEY FEATURES

- Flow capacity: 40 CFM to 2000 CFM
- Dew point: +2°C to +7°C with Zero purge loss
- Reduced wear, longer pneumatic parts life
- Digital Dew Point Indicator



HEATLESS/DESICCANT DRYER

- Airgen's Heatless Dryers ensure ultra-dry air for critical applications where even slight moisture can cause issues. Twin tower dryers use activated alumina or molecular sieves to remove moisture.
- Regeneration occurs automatically by purging a portion of the dried air without external heat, making them ideal for critical applications.

✦ KEY FEATURES

- Dew point upto -80°C
- Flow capacity: 40 CFM to 2000 CFM
- Long-lasting desiccant media delivers ultra-dry air
- PLC based system with high reliability
- Integrated Dew Point Meter for Real-Time Monitoring



SERVICE & SUPPORT

- Airgen provides end-to-end Spare & Service solutions for all types and brands of gas generators and dryers.



PROMPT
SERVICE



TRAINED
PROFESSIONALS







CUSTOMER CENTRIC
SERVICE PLANS

✦ WE OFFER

- **AMC (Annual Maintenance Contracts)** for all makes: Nitrogen, Oxygen, Biogas generators and Dryers
- **Revamping & system performance upgrades**
- **Purity correction & system modifications**
- **Genuine spare parts** for PSA generators, compressors, dryers
- **Supply of all types of desiccants & catalysts**
- **Media replacement:** CMS, ZMS, Activated Alumina, Activated Carbon



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“QUALITY YOU CAN TRUST. RESULTS YOU CAN SEE.”