

Air Separation Plant for Industrial Gases

This air separation plant produces industrial gases like oxygen, nitrogen and argon. The equipment is designed for continuous operation and high-volume output to support various industrial applications.



Overview

Industrial Air Separation Technology

This air separation plant is designed for high-efficiency production of industrial gases, including oxygen, nitrogen, and argon. It utilizes advanced cryogenic processes, such as molecular sieve purification and structured packing distillation, to ensure stable and reliable operation. The system is engineered to support diverse industrial needs, offering flexible pressure ratings and high liquid yield capabilities.

Process Technology

Available Process Types

- Internal Compression Process (Vaporization in cold box)
- External Compression Process (Oxygen turbine compressor)

Purification Technology

Zeolite front-end purification, Molecular sieve purification

Performance Metrics

External Compression Output Pressure

3 Mpa (G)

Max Oxygen Pressure

Operational Characteristics

Stable & Reliable • High Liquid Yield • Variable Load Capacity • Easy Operation

Applications

Recommended Industries

- Chemical Industry
- Metallurgical Industry