

# Air Separation Plant for Oxygen, Nitrogen, and Argon

This air separation plant (ASP) efficiently separates air into oxygen, nitrogen, and argon. Available in medium and large scales, it features low consumption, easy operation, and first-class argon recovery.



## ADDITIONAL IMAGES



## Overview

### Industrial Air Separation Capability

This advanced air separation plant is engineered for the simultaneous production of high-purity oxygen, nitrogen, and argon. Designed for continuous industrial operation, the system utilizes cryogenic distillation to effectively separate atmospheric air into its primary components. These units are suitable for large-scale facilities requiring a reliable, high-volume supply of industrial gases.

## Operational Metrics

Operation Period	24 months
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## Performance Data

### Model Production Specifications

Model	Oxygen Output (Nm <sup>3</sup> /h)	Nitrogen Output (Nm <sup>3</sup> /h)	Argon Output (Nm <sup>3</sup> /h)
KDON-1500/1500/30	1500	1500	30
KDON-3200/3200/80	3200	3200	80
KDON-4500/4500/120	4500	4500	120
KDON-6000/6000/180	6000	6000	180
KDON-10000/10000/350	10000	10000	350
KDON-15000/15000/550	15000	15000	550
KDON-20000/20000/700	20000	20000	700
KDON-25000/25000/820	30000	30000	820
KDON-30000/30000/1000	35000	35000	1000
KDON-48000/48000/1700	48000	48000	1700

## Purity Standards

### Output Purity Levels

**99.6 %**

Oxygen Purity

**10 ppmO<sub>2</sub>**

Nitrogen Purity (Max)

**2 ppm**

Argon Purity (O<sub>2</sub> Content)

**3 ppm**

Argon Purity (N<sub>2</sub> Content)

## System Features

Gases Produced

Oxygen, Nitrogen, Argon