

Air Separation Unit (Cryogenic)

Nitrogen, Oxygen, Argon (Liquid – Gas)



Havayar Cryogenic Air Separation Technology are designed for production of Liquid and/or Gases Oxygen, Nitrogen & Argon from Atmospheric Air based on the low-temperature Rectification process. Our Cryogenic Air Separation Plant produce tons of O₂, N₂ & AR efficiently and safely 24 hr/day, 7 days/week, 365 days/year. We offer our products under license of ASME, DIN, EN, API, European Standard & IEC.

Why Havayar:

- More than 15 years experience in Oil, Gas and Petrochemical Companies
- Most Sales References in South Pars Gas Field and Refineries
- Production & Start-up of the Cryogenic & Air Compressor Packages in the greatest Refinery in Middle East (Persian Gulf Star Refinery)
- Manufacturing more than 45% of the packages inside Havayar factory
- Possibility to giving advice for Designing & Revamping the new Packages/ Existing Packages
- Presenting in All Approved Vendor List such as NPC, NIOC, NIEC, COFC, NIOEC, NISC, ...
- Possibility for Installation, Commissioning & Start Up and After Sales Services with certified & Expert Engineer

Package Features:

Capacity:

O₂: up to 200.000 Nm³/hr

N₂: up to 200.000 Nm³/hr

Ar: up to 1.000 Nm³/hr

Purity:

O₂: 99.99%

N₂: 1 ppm O₂ Impurity

Ar: 99.999%

● Production Flexibility Regarding Flow, Purity & Pressure

- Design for long lifetime
- Full Automation & Remote Control
- Completely Pre-Fabricated Skids
- Low Power Consumption Multi-Duty Operation
- Possibility to Produce Liquid & Gas of N₂, O₂ & AR Simultaneously
- After Sales Services for more than 15 Years
- Availability of Spare Parts