

## Oxygen-Nitrogen Plants

We are one of the leading manufacturers of oxygen-nitrogen plants which are primarily used for the filling of high pressure gas in cylinders by the liquid oxygen pumps in the medical and industrial applications. Offered in range 20m<sup>3</sup>/hr to 1000m<sup>3</sup>/hr our plant is available in small oxygen nitrogen plant, medium oxygen nitrogen plant and high oxygen nitrogen plant.

Features are given below:

- Simultaneous Production of oxygen & nitrogen gas and liquid.
- Filling of oxygen/nitrogen by liquid oxygen pump. Very suitable for high purity bone gas & medical
- Liquid Tapping
- 100% leak-proof stainless steel column
- Purity up-to 99.5%.
- Cylinder Filling Station
- 25 - 40 kg/cm<sup>2</sup> operating pressure
- Liquid Oxygen pump technology
- Process skid design
- Stainless steel cold box (optional)

Product modes:

- A** - Oxygen Gas 99.7% at 155(200 opt.) bar for cylinder filling & Nitrogen gas at 0.1 bar  
**B** - Oxygen Gas 99.7% at 155 bar and Nitrogen gas purity 99.9% (up-to 99.99 or RPM opt.) at 155 bar for oxygen & nitrogen cylinder filling  
**C** - Oxygen Gas 99.7% at 155(200 opt.) bar for cylinder filling & Nitrogen gas at 0.1 bar and liquid oxygen/nitrogen

Optional:

- Both Oxygen & Nitrogen Filling Liquid Pump
- Liquid Oxygen & Liquid Nitrogen Tapping Valve
- 50% liquid production simultaneously with gas production by adding special chiller

The main equipment includes the following:

• Suction Filter	• After Cooler
• Moisture Separator	• Expansion Engine
• Chilling Unit	• Oil Absorber
• Dust Filter	• Filling Manifold
• Air Separation Column	• Liquid Oxygen Pumps
• Molecular Sieve Battery	• Four Stage Air Compressor

### Technical Specifications of Small Oxygen Nitrogen Plants

Name of the Models	UB - 20	UB - 30	UB - 50
Capacities (Cubicmeter/hr)	20	30	50
No. of Cylinders in a Day (Oxygen/Nitrogen)	60	100	1

Technical Specifications of medium Oxygen Nitrogen Plant						
Name of the Models	UB - 60	UB - 80	UB - 100	UB - 120	UB - 130	UB - 150
Capacities (Cubicmeter/hr)	60	80	100	120	130	150
No. of Cylinders in a Day (Oxygen/Nitrogen)	240	320	400	480	520	600

Technical Specifications of high oxygen Nitrogen Plant								
Name of the Models	UB - 200	UB - 220	UB - 250	UB - 300	UB - 400	UB - 500	UB - 600	UB - 1000
Capacities (Cubicmeter/hr)	200	220	250	300	400	500	600	1000
No. of Cylinders in a Day (Oxygen/Nitrogen)	800	840	1000	1200	1600	2000	2400	4000