

Director's Message

At present, most manufacturers in the gas industry specialize in a particular product or segment. Plant manufacturers may not manufacture storage or transport tanks; storage tank manufacturers may not have expertise in ASU systems; and pump manufacturers may not provide high-pressure vaporizers or filling manifolds.

We identified this gap and came up with an idea: **to provide a single platform for all gas manufacturing and equipment requirements.**

With this vision, we have associated ourselves with almost all leading and reputed companies in the gas industry. Through these strategic partnerships, we can offer our customers the **right products, at the right price, and within the shortest possible time.**

Our objective is simple—to become a **one-stop solution provider for the gas industry**, bringing together quality manufacturers, reliable technology, competitive pricing, and timely delivery under one roof.

We believe that our strength lies not only in the products we provide, but also in our ability to understand our customers' complete requirements and offer the most suitable solution from start to finish.

Right Product. Right Price. Right Time. One Complete Solution.

Anu Cryogenic FZE LLC – Ajman

Trading

1. Oxygen/Nitrogen/Argon/Dissolved Acetylene/Nitrous oxide/Hydrogen & Co2 gas & Liquid plants
2. Liquid filling & transfer pumps Oxygen/Nitrogen/Argon/Co2/N2O/LCNG/LNG pumps & Filling pump spares
3. Vacuum pumps for Cylinder filling, Cryogenic Tank Vacuum & all kind vacuum components Such as KF Couplings, Vacuum Port & Spud assembly, Vacuum pulling port, O rings etc,
4. Cylinder Filling & Gas distribution Manifold for Hospitals, Filling all kinds of gas.
5. Pressure reduction station Oxygen/Nitrogen/Argon/Co2/Hydrogen/DA & Natural Gas
6. Gas Analyzer Oxygen, Oxygen PPM, Moisture, Co2
7. Temp indicators single & multiport
8. Level gauge for Liquid Oxygen/Nitrogen/Argon/Co2 tanks
9. Pressure & Temperature gauges

10. Globe Valves Herose, REGO & Mack Valves
11. Gas regulators for all Air gases, Co2 & Natural gas
12. PBU regulators & Economizers
13. Safety Valves Herose & REGO
14. Atmospheric, Water bath vaporizers for Oxygen/Nitrogen/Argon/Co2/Natural Gas
15. Gas compressors Oxygen/Nitrogen/Argon/Hydrogen/CNG
16. Storage Tanks for Oxygen/Nitrogen/Argon/Co2/ Nitrous Oxide/LNG
17. Cylinder valves for Air Gases
18. Cylinder filling hoses for Air Gases & Dissolved Acetylene
19. Cylinder Skids of 12,16, 24,48 & 64 for Air Gases onshore & offshore
20. CNG 10feet & 20Feet Cylinder Bank
21. Cylinder testing equipment
22. Dry Ice plant

Services

1. Liquid Filling pumps
2. Cryogenic storage & Road tanker Vacuum restoration, outer vessel & inner vessel repair on site
3. Refurbishment of storage & transport tanks onsite
4. Oxygen/Nitrogen/dissolved Acetylene gas plant repair & refurbishment

Projects & Consultation

1. Oxygen/Nitrogen/Argon/Dissolved Acetylene / Nitrous Oxide/ LCO2/Hydrogen gas & Liquid Plant
2. Customized gas cylinder filling plant for oxygen/Nitrogen/Argon/Co2/Dissolved Acetylene, & Natural Gas
3. LNG Regasification & LCNG filling plant

Gas Plant Capacity Plant Oxygen/Nitrogen Gas Cylinder Filling Plant Standard Size

Capacity	Product Oxygen	Available Nitrogen Gas	Purity Oxygen	Nitrogen Purity
100M3/hr	100M3/Hr.	100M3/Hr.	99.7%	99.999%
130 M3/hr	130M3/Hr.	130M3/Hr.	99.7%	99.999%
200 M3/hr	200M3/Hr.	200M3/Hr.	99.7%	99.999%
300 M3/hr	300M3/Hr.	300M3/Hr.	99.7%	99.999%

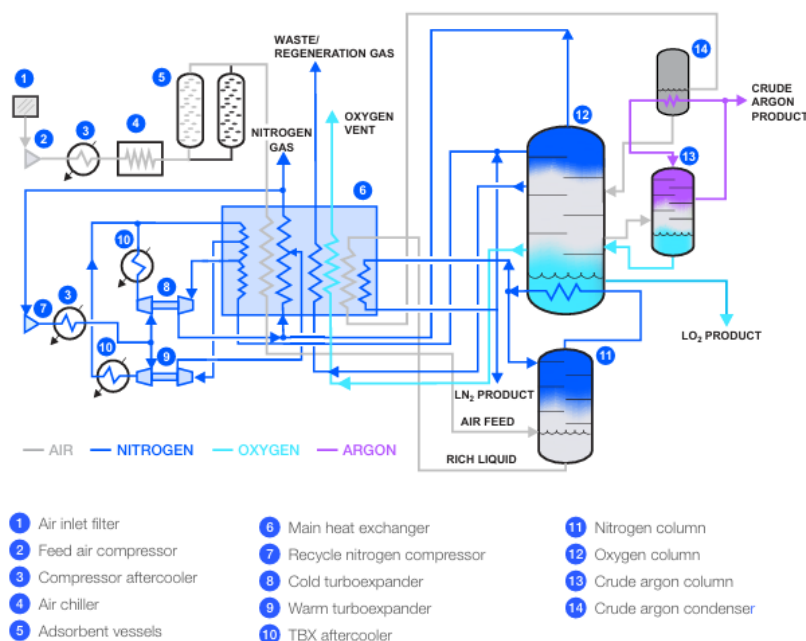
Power consumption/M3 of Oxygen 1.1 to .95 KW

Liquid Oxygen/Nitrogen/Argon Plant

Capacity	Product LOX	Available LIN	Available LAR	Purity Oxygen	Nitrogen Purity	Argon Purity
15TPD	13.5T	1.5T		99.7%	99.999%	
30	27T	3T	1T	99.7%	99.9995%	99.999%
50	44T	6T	1.7T	99.7%	99.9995%	99.999%
100	90T	10T	4T	99.7%	99.9995%	99.9995%
200	180T	20T	8T	99.7%	99.9995%	99.9995%

Power consumption/M3 of Oxygen 1.1 to .95 KW

Simplified process flow diagram

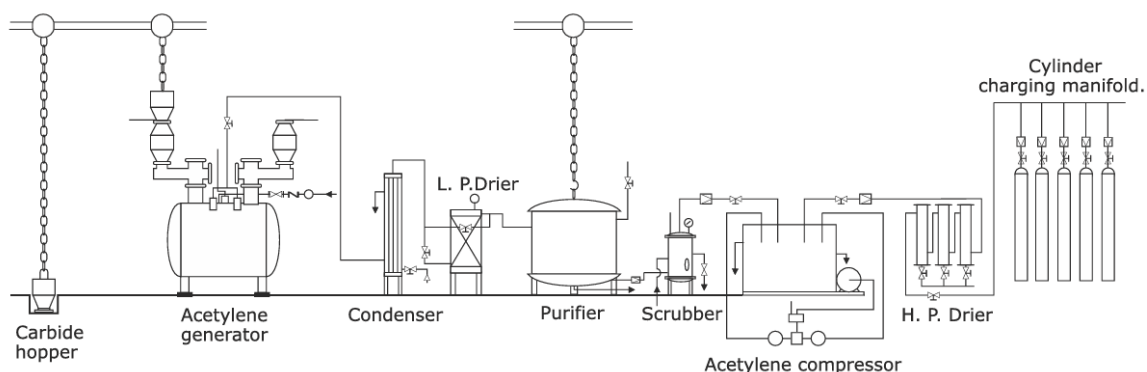


Options and accessories

- Crude argon production
- Refined liquid argon production
- Nitrogen liquefier
- Closed loop evaporative cooling system
- 50 Or 60 hertz electrical system
- Product storage tanks
- Cylinder charging systems
- Liquid transfer pump systems

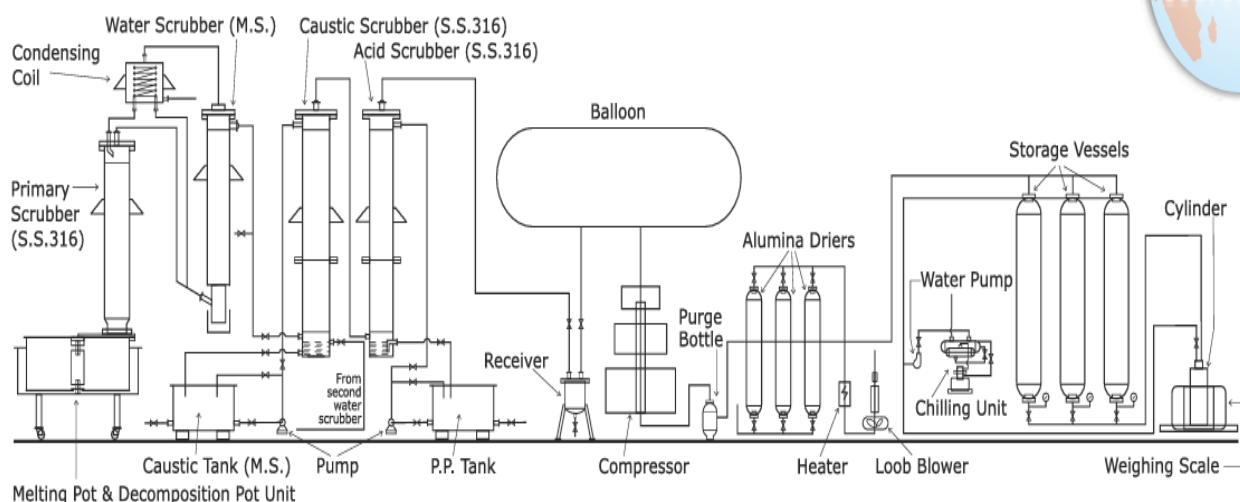
Dissolved Acetylene

Capacity	Product Acetylen	Purity Oxygen	Water Consumption per kg of Carbide	Power required
45M3/hr	45M3/hr	97.5%	7 – 8 LTR	30KW
100 M3/hr	100M3/Hr	97.5%	99.999%	55KW



Nitrous Oxide liquid plant

Capacity	Power required	Purity N2O	Weight of Plant	Area required
40 KG/HR	80KW	99%	8,000KG	8 X 10 Sq. Mtr
100 KG/HR	150KW	99%	12,000KG	12 X 15 Sq.Mtr
150 KG/HR	225KW	99%	15,000KG	15 X 20 Sq.Mtr



Liquid filling & transfer pumps Oxygen/Nitrogen/Argon/Co2/N20/LCNG/LNG pumps & Filling pump spares



Vacuum pumps for Cylinder filling, Cryogenic Tank Vacuum & all kind vacuum components Such as KF Couplings, Vacuum Port & spud assembly, Vacuum pulling port, O rings etc



Storage & transport Tank Mountings



Cylinder Filling & Gas distribution Manifold for Hospitals, Filling all kinds of gas.



Pressure reduction station Oxygen/Nitrogen/Argon/Co2/Hydrogen/DA/NG



Gas Analyzer Oxygen %,PPM, Moisture, Co2



Atmospheric, Water bath vaporizers for Oxygen/Nitrogen/Argon/Co2/Natural Gas



Cylinder Skids of 12,16, 24,48 & 64 for Air Gases onshore & offshore



Projects



Gas Compressor



Tank Repairs & Refurbishment

