



**BOSCO INDIA**



**INDUSTRIAL GAS DIVISION**

Standard Equipment and Engineered Package System  
for Cryogenic Liquid Storage, Vaporization, Distribution, Control & Regulation

**Global Leader in Cryogenic Liquid Storage and Transportation Solutions**

## About Company

BOSCO INDIA, a premier business conglomerate in India, since inception has consistently expanded operations in Industrial Gases, Refrigerants, Chemicals, Cryogenic Engineering, Renewable Energy and Entertainment. In a short, BOSCO is now among India's most respected and fastest growing business group with estimated ~\$3b market capital.

## Storage & Bulk Tanks

- || Ergonomic designed piping layout for ease of access, operation & maintenance
- || Corrosion free inner vessel of austenitic stainless steel
- || Common modular configuration & footprint
- || Safer, simpler & sturdier
- || Long lasting high quality surface finish & paint



Standard Models \* Serial Production

	Standard	Non-Standard
<b>Capacity</b>	4 to 60 kl, (1 to 16,000 gal)	≥60kl, (≥16000 gal)
<b>MAWP</b>	17, 24, 37 barg (242, 350, 525 psig)	3, 10, 17, 24 barg (42, 142, 242, 350 psig)
<b>Type</b>	Vertical, Horizontal, Thermosiphon	
<b>Services</b>	LIN, LOX, LAR, LCO2, LNG, LN2O, LH2	
<b>Design</b>	EN13458, ASME, AS1210	
<b>Insulation</b>	Perlite & Multi layer super	

## MicroBulk System – Storage & Delivery Units

BOSCO Microbulk range offers wide options for storage and delivery of cryogenic liquid gases, reducing the handling of HP gas cylinders. A comprehensive portfolio designed to meet specific applications, requiring static storage or transportation. All units are versatile, rugged and designed for optimized on-site filling.

	Liquid Cylinders	Portacryo & Maxcyl
<b>Capacity</b>	150 to 450 litres (40 to 119 gal)	1 to 5.5 kl (264 to 1452 gal)
<b>MAWP</b>	25 & 35 barg (350 to 500 psig)	19 & 37 barg (270 to 525 psig)
<b>Design</b>	EN1251, TPED	1000 litres - EN1251, TPED, PI & CE marked Others - EN13458, ASME
<b>Services</b>	LIN, LOX, LAR, LCO2, LNG	
<b>Insulation</b>	Multi layer super	

## Transport Tanks and Semi-Trailers



Higher Payload \* Highly Efficient

- || Rugged design for optimized & maximum payload
- || Ergonomic designed piping layout for ease of access, operation & maintenance
- || Reliable support system for rough road conditions
- || Long lasting high quality surface finish & paint

<b>Capacity</b>	2 to 60 kl (528 to 16000 gal)
<b>MAWP</b>	3, 8, 17, 24 barg (42, 114, 242, 350 psig)
<b>Type</b>	Rigid chassis 2 to 20 kl (528 to 5283 gal) Semitrailer 12 to 60 kl (3170 to 16000 gal) ISO tanks (10', 20' & 40')
<b>Services</b>	LIN, LOX, LAR, LCO2, LNG, Ethylene Oxide
<b>Design Code</b>	EN13530, ASME, AS1210
<b>Insulation</b>	Multi layer super

## Engineered Package System

BOSCO offers complete Cryogenic Liquid storage, vaporization, regulation & control system package, from the ASU outlet to customer take-off point or process battery limit, engineered & integrated to project specification and duty conditions.

BOSCO designs Flat Bottom Tank (FBT), Vacuum Insulated Storage tanks (VIST), Super-Insulated Transfer Piping, Ambient and Steam Bath Vaporizers, Buffer Tanks, Pressure Regulating & Control Skids.

Equipment like High Pressure Reciprocating or Centrifugal Pumps and components like Valves, Instrument & Control System for Pressure, Temperature & Flow; are integrated in the packaged design to ensure a reliable system, without a limitation of capacity, pressure or flow rate required at battery limit.

Systems designed for process applications like inerting, purging, emergency backup, blanketing. Specialized applications like emergency backup supply of oxygen gas, nitrogen gas at high flow rates for metal industries, etc.



Any Capacity \* Pressure \* Flow

## Vaporisers

- || Efficient fin tube design for best performance
- || Cleaned for oxygen service
- || Design to ASME code
- || Optimum weight design



Ambient Air Frame Type Horizontal Steam bath Vaporisers Pressure Ragulating Skid VJ Piping

## Cryo Preservation

CRYOSEAL Liquid nitrogen double walled vacuum & super insulated containers, made of aluminum alloy or stainless steel. Ideally suited to store or transport biological samples under low temperature, using small quantity liquid nitrogen. Also used in manufacturing Industry for shrink-fitting type applications. Capacity 1~50 Liters. Wide Mouth options in 350 & 550 Liters.



## OEM Products

**Disposable cylinders** are used to store & transport gases like R22 / R134a/ R410 a etc. Manufactured and certified as per DOT 39 specifications and customized to Buyers branding.

**Beverage kegs** made of Stainless steel with NSF (National Sanitation foundation) certification, for beer, syrup and various beverages, customized to Buyers branding.



## LNG Integrated System

### LNG Satellite Station



GAS to 6 MW Power Plant Installation

### Marine Fuel System



LNG Storage & Regas System with Type 'C' Tanks

### Bunker Barge System



Bunker Barge/Ship upto 6x1000 m<sup>3</sup> (6 x 265000 gal)

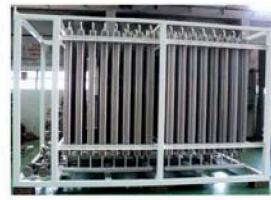
## Oil & Gas



Offshore Skid Tank



Queens



Vaporizer Skid for Oil Field Service

## Cryoscientific



LIN Shielded 15000 liters Liquid Hydrogen Tank



ITER - VAC Jacketed Helium Cryoline



ISRO - Thermo Vacuum Chamber - 6.5M dia