

**Cryogas Industries** have references of installing more than 1000 equipment and complete cylinder filling solutions. With the introduction of VTH series Vertical Thermosiphon Tanks, Cryogas Industries now offers entire range of equipment to complete the value chain in Cylinder Filling Solutions.



### FEATURES

- CFS series provides state-of-the-art one stop **SHOP** as '**ONE COMPLETE**' solution to pack several industrial gases like LOX, LIN, LAR, LCO<sub>2</sub>, LHe, LNG, H<sub>2</sub>, C<sub>x</sub>H<sub>y</sub> and their mixtures with ease, safety quality at high speed.
- New generation CFS Series also provides Fully Automatic Micro & Mini Bulk / Liquid Cylinder filling solution which eliminates loss of gas while refilling, ensures safety while batch filling at high speed.
- In partnership with Weldcoa of USA the CFS series offers Manual, Semi-Auto and Fully Automatic Remote Access Turnkey Solutions to fill up Single, Multiple, Complex, Flammable, Toxic, Medical and Welding gas mixtures with ease and peace of mind.
- Weldcoa range of palletized cylinder handling systems enable to **REDUCE** Manpower, Enhance Safety and Assure Speed while multi-folding the volumes of gases packaged in cylinders.
- Cryogas Industries offers to train & qualify your operators to Prepare Single, Multiple, Complex, Flammable, Toxic and EPA Protocol Gas Mixtures at Ultra Pure Gases, which is Group's Premium Company and The one and only ISO 9001, 14001 and 18001 accredited Calibration gases company in India. Ultra Pure Gases has Manual, Semi-Automatic and Fully Automatic Blend Stations and World class Analytical Laboratory

ITEM	CAPACITIES	PRESSURE	OPTIONS & REMARKS
VTH Series Thermosiphon Cryogenic Tanks	From 6 KL to 60 KL	14 - 17 Bar	- From Cryogas Industries - Mobile Cylinder Filling Stations also offered on request
High Pressure Reciprocating Pumps	From 100 to 5000 Nm <sup>3</sup> /Hr.	From 150 Bar to 450 Bar	- Fixed or Variable Frequency Drives (VFD) & Automation
High Pressure, Lined Ambient Cryogenic Vaporizers - Natural & Forced Draft	From 100 to 2400 Nm <sup>3</sup> /Hr. Flow Rate as single & multiple units in Bank	From 150 Bar to 450 Bar	- Lining Options SS 304, 316, CUNI, Copper, Monel etc.
Vacuum Pumps	From 15 M <sup>3</sup> /Hr. to 200 M <sup>3</sup> /Hr.	Standard and Oxygen Compliant	- Direct Drive or Two Stage Pumps
Filling Manifolds	- Manual - Semi Auto - Fully Automated Remote Access	From 150 Bar to 450 Bar	- SS 304, SS 316L, Copper, Monel etc. Custom Option available. - Ground Mounting - Overhead with Swing Arms - Nodding Donkey Type
High Pressure PTFE + SS Braided Hose	From 0.5 m to 10 m length PTFE Teflon Lined SS 304 Double Wire Braiding	From 150 Bar to 450 Bar	- High Pressure PTFE + SS Braided Hose, Anti Lash, Heat Sink, End Connection of your choice, With Hand Wheel for Cylinder ends
Sur-Lock pallets - World best pallets now manufactured in India @ Weldcoa ~ Weldcoi	- 18 / 23 Cylinder on Pallets - Manifoldded Cylinder Pallets - Caged Pallets	All Pressures	- Pallet-based platform for your Chassis for Sur-Lock Safety
Microbulk Filling Solutions	- Manual Filling - Fully Automated Micro Bulk Filling Station - On-line Monitoring	- 200 Ltrs. - 450 Ltrs. - 1000 Ltrs. Liquid Cylinder Filling Stations	- Vacuum Insulated Lines enable loss free Micro-Bulk filling - Precise weighing scales coupled with automation panel allow quick fill - Pallet Mounted Tanks on Request

**Well Arranged Cylinder Pallets**



**Fully Automated Cylinder Filling Station**



**Cylinder Pallets Loaded on Truck**



**Fully Automatic Liquid Cylinder Filling System**



**Bulk Medical Oxygen Filling**



**Touch Screen Fill & Review Panel**



**Automatic Cylinder Inverter for Homogeneous Mixing**



**Automatic Cylinder Baking Oven**



Cold Convertor Storage Tanks ♦ Thermosiphon Tanks ♦ Transport Tankers ♦ Framed ISO Containers ♦ Microbulk Cryogenic Portable Containers  
Engineered Cryogenic Tanks ♦ Atmospheric Vaporizers and Powered Cryogenic Vaporizers ♦ Vacuum Insulated Pipelines ♦ Complete Turnkey Cryogenic Solutions ♦ LNG Regasification Stations ♦ LCNG Stations ♦ Mobile Cryogenic Vaporizers and Pumping Skids ♦ Portable Helium and Nitrogen Liquefaction Plants ♦ Semi and Fully Automatic Palletized Cylinder Filling Stations and Solutions.