

CRYOPUMP ASIA

Swiss Technology!

- ★ Reciprocating Pumps
- ★ Centrifugal Pumps
- ★ LNG Pumps
- ★ Gas Filling Manifolds



INDIAN COMPRESSORS LTD.
www.didwania.com

Ver: 03/20



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Global Manufacturing & Service Network



About our Company

- Cryopump Asia is a division of Indian Compressors Ltd.
- We are a 75 year old company
- Factories located in India, Italy and China
- Cryogenic Pumps and Gas Compressors supplied to all major industrial gas companies
- Cryogenic pumps are manufacture with SWISS TECHNOLOGY

★ INDIA

Head office and factory

★ ITALY

Ventos Compressors

Manufacturing of specialized Gas Compressors

★ CHINA

Xuzhou Auro Compressors

Manufacturing plant and service centre

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INDIAN COMPRESSORS LTD.
Cryopump Asia Division

Pump ID Meaning

Model	Piston Ø mm	Piston Stroke in mm	3 or 6 Ton crank drive
RP	22	20	T3
	30		
	36		
	40	40	T6
	45		



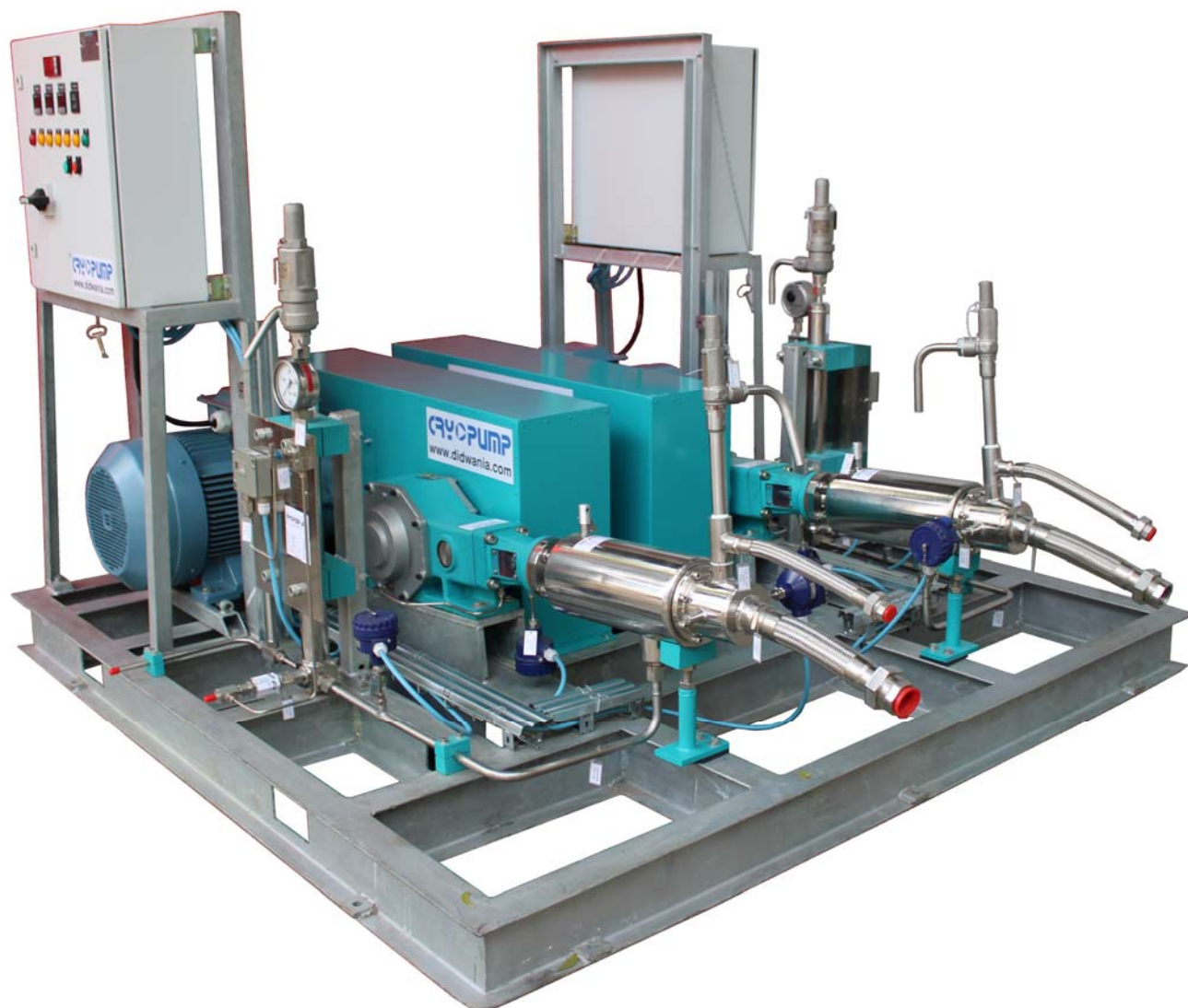
RP Series Cryogenic Pumps

- ★ Reciprocating high pressure pumps
- ★ For LOX, LIN, LAR, LNG
- ★ 300 bar filling pressure
- ★ Turnkey filling station for fully automatic operation
- ★ Worldwide after sales support

Special Features

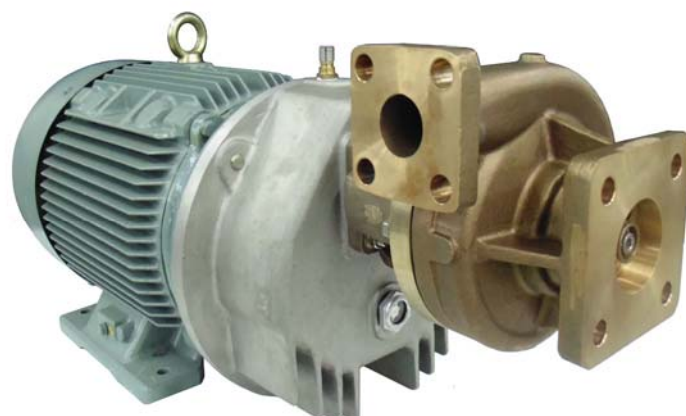
- ★ Quick cool down
- ★ Low Maintenance
- ★ 'DA' Double suction - Piston for low NPSH
- ★ Long seal life
- ★ Vacuum insulated cold-end
- ★ Reduced gas losses

High Pressure Pump with Oil Lubricated Crankdrive



Special Features

- ★ State of the art Swiss design Oil-Lubricated Crankdrive
- ★ Very low maintenance
- ★ Increased life of cold end seals at high pressure
- ★ Performance: 24 LPM, 330 Bar discharge pressure
- ★ Suitable for: LNG, LOX, LIN, LAR, Ethylene



CPA Series Centrifugal Pump

- ★ For LOX, LIN, LAR, LNG, LCO₂, LN₂O
- ★ Road tanker loading/unloading
- ★ Tank to tank transfer
- ★ 400 Meter differential head
- ★ Worldwide after sales support

Special Features

- ★ High hydraulic efficiency
- ★ Gear box / Direct couple models
- ★ Integrated Boost System (IBS) for extremely low NPSH operation
- ★ Long life mechanical seal
- ★ Tin bronze material for oxygen service
- ★ Low Noise, High reliability

Ideal for LNG



Special Features

- ★ Hydraulic motor instead of electric motor
- ★ Can run with PTO shaft of trucks
- ★ Low noise, vibration free
- ★ Suitable for LNG, LAR, LIN, LCO₂
- ★ Turnkey system with all accessories for semi-trailer installation
- ★ Available with CP-180, CP-160, DCP-220 models



RPS Series Cryogenic Pumps

- ★ Reciprocating high pressure pumps
- ★ For CO₂, N₂O
- ★ 120 bar filling pressure
- ★ Turnkey filling station for fully automatic operation
- ★ Worldwide after sales support

Special Features

- ★ Plunger design
- ★ Quick cool down
- ★ Low Maintenance
- ★ Reduced gas losses



- ★ Fluid: LCO₂ and LN₂O
- ★ Swiss technology
- ★ 1500 kg/h CO₂ filling capacity
- ★ 120 bar filling pressure
- ★ Two filling lines

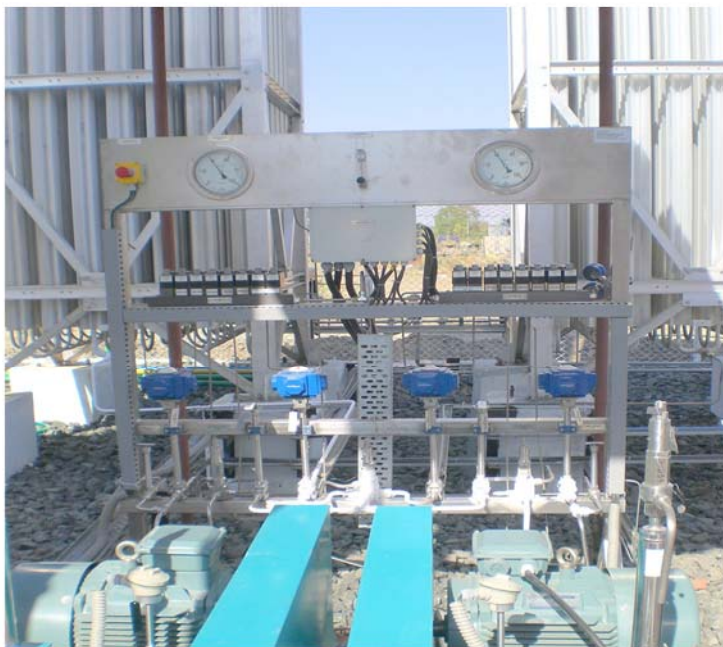
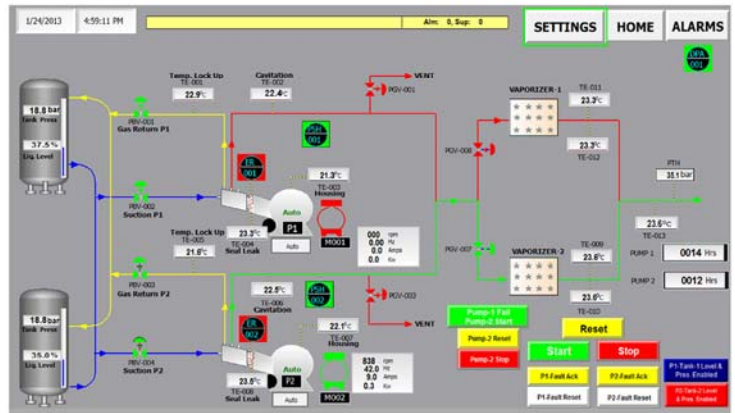
- ★ Mettler-Toledo weighing scale
- ★ PLC controlled-fully automatic operation
- ★ Plunger design pump
- ★ Easy & quick maintenance
- ★ Increases CO₂ filling productivity
Reduces manual labour & cost

GAS CYLINDER VALVING /DE-VALVING MACHINE

- Modern Design
- Easy Operation
- Correct Torque
- Improves Efficiency



- Robust & Heavy Duty
- Low Maintenance
- Continuous Operation



- ★ Delivers continuous supply of LOX/LIN/LAR
Max. 100 litre/min and 300 bar pressure
- ★ System has 2 cryogenic pumps: One working, other in cold standby
- ★ Fully Automatic priming, Start-up, Shutdown
- ★ Unmanned operation 24 hours

- ★ For Tyre Factory, Laser cutting, Steel plants, where constant gas supply is required
- ★ Customised HMI/SCADA software. PLC controlled
- ★ Tank liquid level monitoring
- ★ Low power consumption using VFD



- ★ Rego USA Master valves
- ★ Leser safety valve
- ★ Wika pressure gauges

- ★ Hot dip galvanised frame
- ★ Working pressure 400 bar
- ★ Suitable for oxygen and other gases

Cryopump & Vaporizer skid



Reciprocating Compressors



Oil-Free Booster



- ★ No Compressed Air Required
- ★ Electric Motor Driven

Diaphragm Compressors



- ★ Hydrogen
- ★ Oxygen
- ★ Helium
- ★ Argon
- ★ SF6
- ★ CO₂

And all other gases....