



SinoCleansky
Gas Container & Solution



Cryogenic Pump

Reciprocating Pump

- Industrial gas pumps** are mainly used for air separation products: filling of liquid oxygen, liquid nitrogen, liquid argon, liquid carbon dioxide, air supply systems. The units are mainly single row, double row, and three-row reciprocating pumps. Its flow is 30-5000L/H and its maximum exit pressure is 35.0MPa. An electromagnetic adjustable speed motor, or a fixed rotating speed motor, or a variable frequency and variable speed motor, or an explosion proof motor or an explosion proof variable frequency motor can be equipped as per actual requirements.
- Carbon dioxide pumps** are mainly used for liquid carbon dioxide. Filling of carbon dioxide liquid cylinder. Air supply, air distribution system.
- Large flow and medium pressure piston pumps** are mainly used for liquid oxygen, liquid nitrogen, liquid argon and liquefied natural gas. Air supply systems at large and medium steel mills. Filling of Dewar bottles. Filling of storage tanks.



Centrifugal Pump

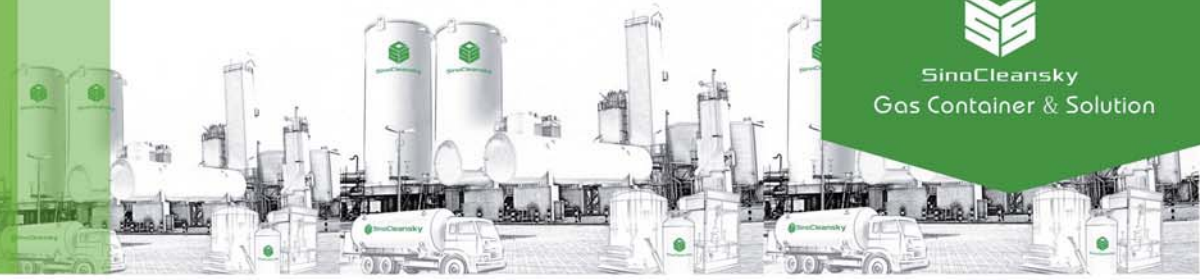
- Cryogenic centrifugal pumps** are mainly used for the filling and transport of storage tanks with cryogenic liquids such as liquid oxygen, liquid nitrogen, liquid argon and cooling liquid; the mainly single stage, single suction and direct-connected centrifugal pumps.
- Multi-phase cryogenic centrifugal pumps** are used to deliver and transfer LOX, LIN, LAr, LNG, or other cryogenic liquids in high pressure; in addition, it's available for water, oil, and other chemical liquids. This unit is a multi-phase, cascade-structured centrifugal pump. According to the performance of its seals, it can be classified as submerged pump and seal pump.



Submerged pump 浸没泵 密封泵 Sealed pump

Shipment





Vaporizer (for IG & LNG)

Ambient Vaporizer

Applicability

They are mainly used for heating, vaporizing LOX, LIN, LAr, LCO₂, LC₂H₄, LNH₃, LPG, LC₃H₈ and other cryogenic mediums.

Performance features

- It's a star-shape fined tube type air temperature vaporizer and it has a stable structure.
- The special rust-proof aluminum alloy has good heat exchange effect, light weight, and anti-corrosion features; in addition, its service life is no less than 20 years.
- The pumps are cleaned and manufactured strictly as per oxygen standards.
- The air outlet temperature is less than 10°C lower than environment temperature (operated continuously for 8 hours)

Main technical parameters

- Suitable medium: LOX, LIN, LCO₂, LNG, LC₂H₄, LPG etc.
- Single set flow: 50-10000Nm³/H
- Working pressure: 0.8-35.0MPa
- Standard: GB, ASME, PED(CE), CCS, CNNC, CASC



Shipment



Water Bath Vaporizer

Applicability

They are mainly used for heating, vaporizing LOX, LIN, LAr, LNG, LCO₂, LC₂H₄, LNH₃, LPG, LC₃H₈, and other cryogenic mediums.

Main technical parameters

- Suitable medium: LOX, LIN, LCO₂, LNG, LC₂H₄, LPG etc.
- Single set flow: 50-10000Nm³/H
- Working pressure: 0.8-35.0MPa
- Standard: GB, ASME, PED(CE), CCS, CNNC, CASC

Electric heated vaporizer

Applicability

This series carburetors heat up the water in the tunnel body by tailor-made high efficiency electric heating equipment, and then heat up the cryogenic liquor (LOX, LIN, LAr, LCO₂, LNG, LC₂H₄, LPG) in the compact heat exchanger. It adopts the advanced water temperature control systems, and the gasification volume is very stable. The outlet temperature shall be room-temperature or customized.

Main technical parameters

- Suitable medium: LOX, LIN, LCO₂, LNG, LC₂H₄, LPG etc.
- Working pressure: 0.8-40.0MPa
- Capacity: 50-20,000Nm³/H
- Standard: GB, ASME, PED(CE), CCS, CNNC, CASC