

Diaphragm Compressors

Pumping gases in ultra pure state

Leaders in transfilling gases use Pdc diaphragm compressors to achieve ultra high purity, productivity and maximum returns



Transfill Applications

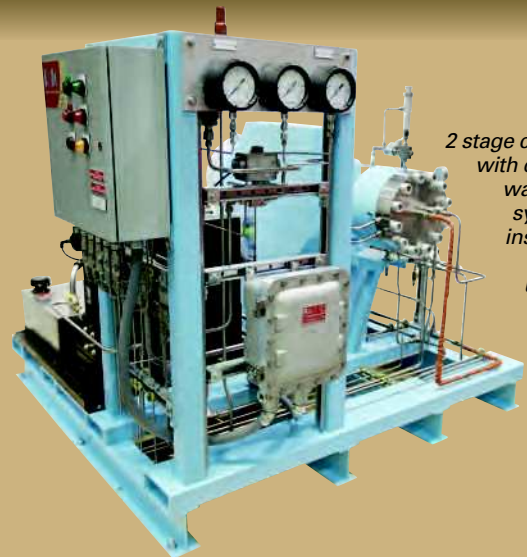
Applications

- Filling & offloading gases from tube trailers
- Filling gas cylinders and bulk storage tanks
- Gas blending, recycling & mixing
- Gases for welding, semi-conductor, electronics & fiber optics manufacturing
- Pressure boosting and storage of gases from on-site gas generation systems
- Flash-off liquid from cryogenic tanks

Compressors for a wide spectrum of gases

Pdc Machines provides an extensive line of compressors to meet the flow rates and pressures needed for pumping a wide variety of gases such as:

Ar, BrF₅, C₄H₁₀, CO₂, CO, CF₄, C₂H₆, C₂F₄, SF₆, Cl₂, D₂, C₂H₄, F₂, He, H₂, HBr, HCl, Kr, CH₄, Ne, NO, Ni(CO)₄, N₂, NF₃, O₂, C₃H₈, SiH₄, Xe and many more.

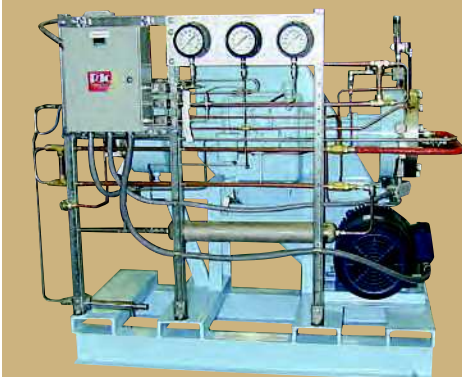


2 stage compressor with closed loop water cooling system, fully instrumented for 24/7 unattended operation

A Breath of Fresh Air



www.pdcmachines.com



Benefits

High Product Purity and Environmentally Friendly Compression:

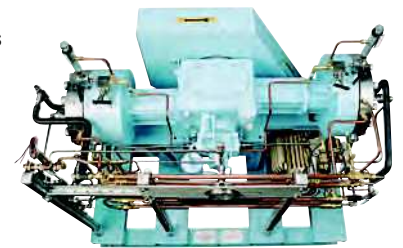
- **High Product Purity** Diaphragms isolate hydraulic oil from process gas
- **Zero Gas Emissions** Compressed gases cannot leak into the atmosphere
- **Safer Operation** Fast acting leak detection system automatically shuts down the compressor in the event of an oil or gas leak

High Reliability & Uptime with Low Maintenance and Worry-free Operation:

- Customers are experiencing 10,000 to 40,000 hours of continuous operation without the need for spare parts replacement

Horizontally-Opposed Designs for High-Efficiency Operation and Low Energy Costs:

- Duplex and two-stage stage designs are available to accommodate a wide range of pressures and flows in one or two stages instead of three or four
- Handles high inlet pressures without the need for regulators. Therefore, lowering energy costs
- Simplex units are field-convertible to duplex units to increase the flow
- Duplex units provide twice the flow and 1/3 horse-power consumption

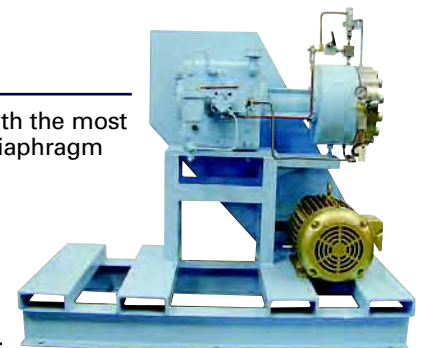


Shortest Delivery

- Certain models can be delivered in two to eight weeks

Responsive after-sales Service

- Pdc offers industry leading field service support with the most prompt delivery of spare-parts for Pdc and other diaphragm manufacturer brands



Codes & Standards

Pdc complies with domestic and international codes and standards such as ASME, NEC, CE (ATEX, PED), KHK, UL, CSA, SQL

With thousands of installations world-wide, Pdc has earned a reputation for delivering exceptional value, (best in design, quality, reliability, low maintenance and productivity)



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