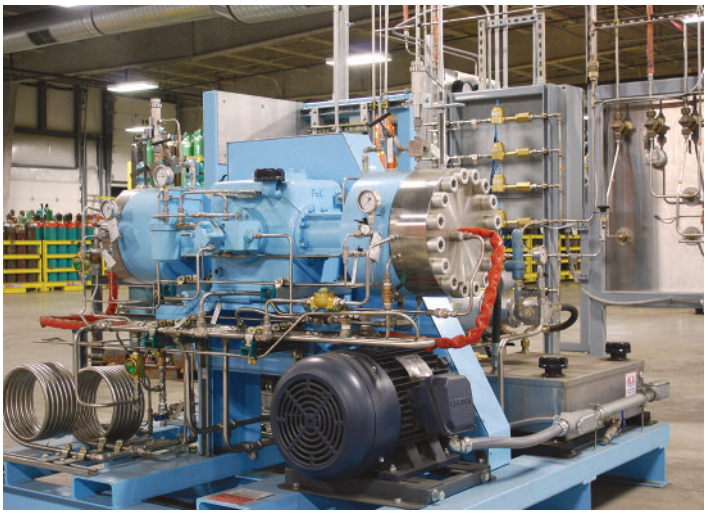
Diaphragm Compressors

Pumping high purity industrial and specialty gases worldwide

Transfill Applications

Applications

- Filling and offloading gases from tube trailers
- Filling gas cylinders and bulk storage tanks
- Gas blending, recycling & mixing
- Gases for welding, semi-conductor, electronics and 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, BrF_5, C_4H_{10}, CO_2, CO, CF_4, C_2H_6, C_2F_4, SF_6, Cl_2, D_2, C_2H_4, F_2, He, H_2, HBr, HCl, Kr, CH_4, Ne, NO, $Ni(CO)_4$, N_2, NF_3, O_2, C_3H_8, SiH_4, Xe and many more.

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

Norco · Weldcoa · nexAir · WestAir · Airgas · FIBA Quality Products-Service

Linde · Harris Industrial Gases (Medical & Specialty Gases, Welding Equipment & Supplies) · Air Liquide · DeLille Specialty Gases · VCE · Air Products

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, 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

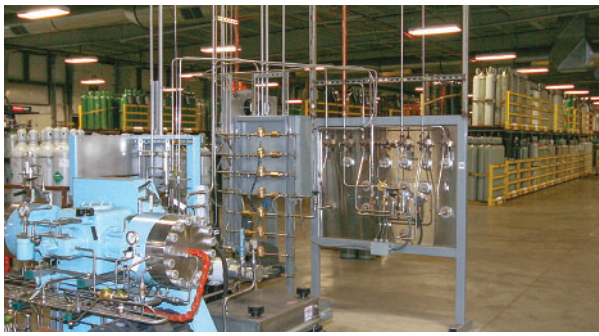
- Certain models can be delivered in two to eight weeks

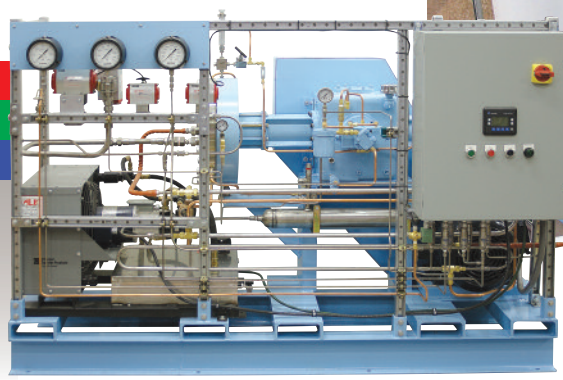
Responsive After-Sales Service

- PDC offers industry leading field service support with the most prompt delivery of spare-parts for PDC within 24-48 hours in emergency cases

Codes and 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 word-wide PDC has earned a reputation for delivering the best in value, quality, performance and reliability.

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