

Diaphragm Compressors

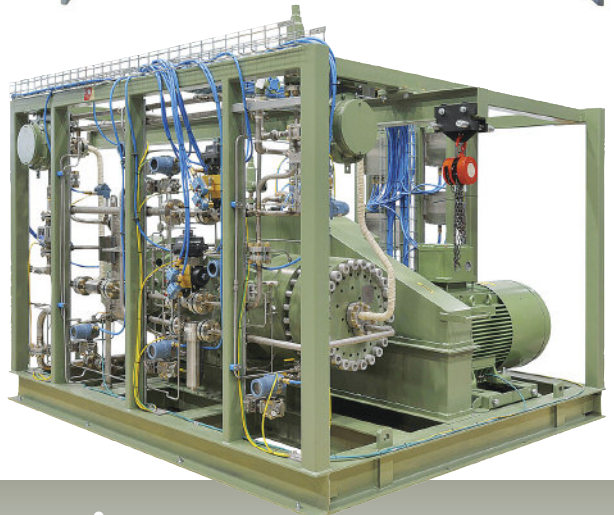
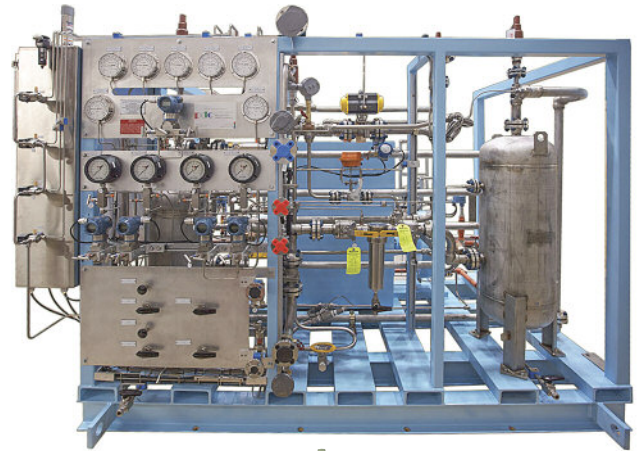
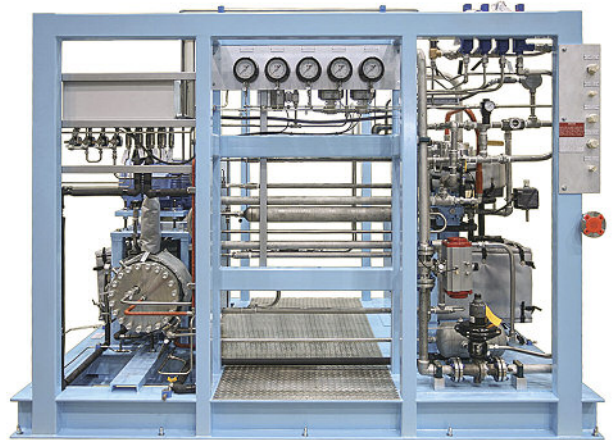
Compressing high purity industrial and specialty gases worldwide

Serving Many Industries

- **Process gas compression** where oil free and contamination free compression are required
- **Filling and off-loading gases** from tube trailers, filling gas cylinders and bulk storage tanks
- **Pressure boosting, blending, recycling, inerting, purging, blanketing and mixing of gases** for chemical, petrochemical, pharmaceutical industries, semi-conductor electronics, fiber, glass manufacturing and metal processing
- **Alternative energy** for refilling fuel cell powered vehicles, buses and material handling vehicles. Conversion of solar power to wind power and of bio mass to gaseous fuels
- **Pressure boosting** and storage of gases from on-site gas generation systems
- **Emergency standby compressors**
- **Off gas compression** to reduce emissions
- **Power plant turbine cooling**

A Wide Range of Compressor Solutions

- PDC Machines compressors are the first choice for compressing industrial, rare, explosive, pyrophoric, toxic, synthetic, corrosive gases and gas mixtures in an ultra-pure state.
- Standard and custom-designed diaphragm compressors with a variety of options to meet any requirement.
- Discharge pressures range from 50 psi to 60,000 psi (3.4 bar to 4137 bar), power consumption from 3 hp to 300 hp (2.25 kW to 224 kW) and flow rates up to approximately 2,482 scfm (4,000 Nm³/hr)



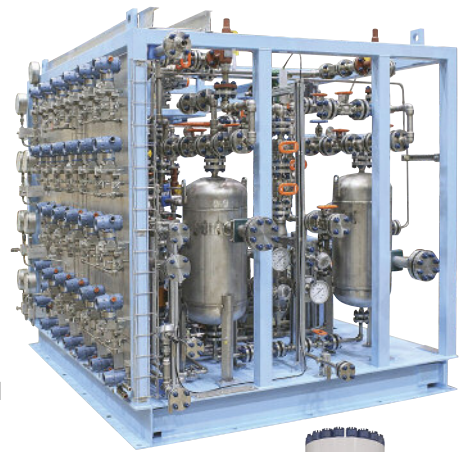
Performance, Reliability & Service.

A reputation built on customer satisfaction. Just ask the industry leaders.

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 a ruptured diaphragm or breached seal

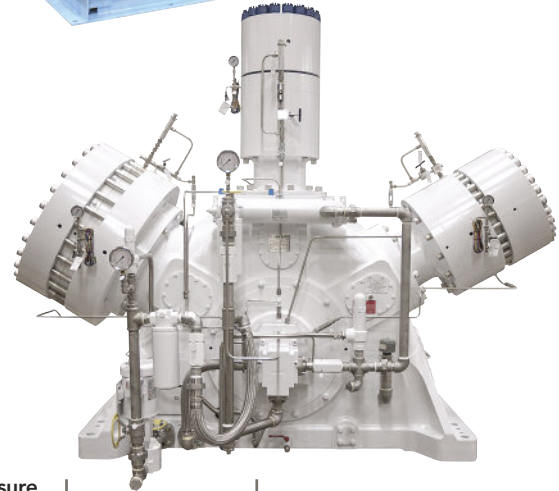


High Reliability & Uptime with Low Maintenance and Worry-free Operation

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

Responsive After-Sales Service

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

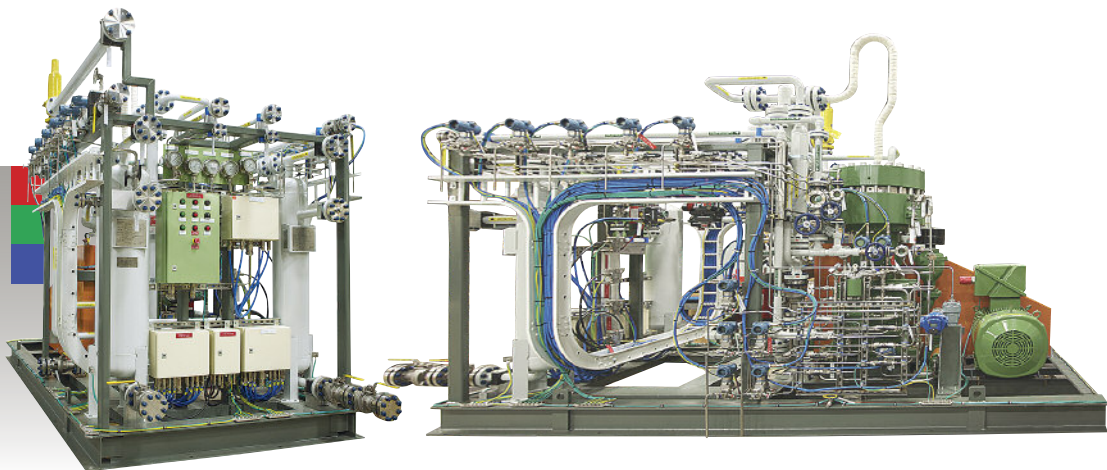


Codes & Standards

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

Model Series	Suction Pressure PSIG[BARG]	Outlet Pressure PSIG[BARG] General Industry	Outlet Pressure PSIG[BARG] Cylinder Filling	Outlet Pressure PSIG[BARG] Hydrogen Energy	Capacity Max SCFM[Nm ³ /hr]	Horsepower (kW)
PDC-1	Varies	Varies	2900-6500 [200-484]	14504 [1000]	< 6 (10)	5.3 (4)
PDC-2	Varies	Varies	2900-6500 [200-484]	14504 [1000]	<9 (15)	10 (7.5)
PDC-3	Varies	Varies	2900-6500 [200-484]	14504 [1000]	Up to 16 [20]	15 [10]
PDC-4	Varies	Varies	2900-6500 [200-484]	14504 [1000]	Up to 100 [160]	30 [22]
PDC-4(150)	Varies	Varies	2900-6500 [200-484]	14504 [1000]	Up to 150 [241]	40 [30]
PDC-5	Varies	Varies	2900-6500 [200-484]	14504 [1000]	Up to 350 [563]	75 [55]
PDC-13(100)	Varies	Varies	2900-6500 [200-484]	14504 [1000]	Up to 1865 [3000]	220 [175]
PDC-P	in vacuum	varies	2900-6500 (200-484)	14504 (1000)	Up to 2,482 (4,000)	300 (224)

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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