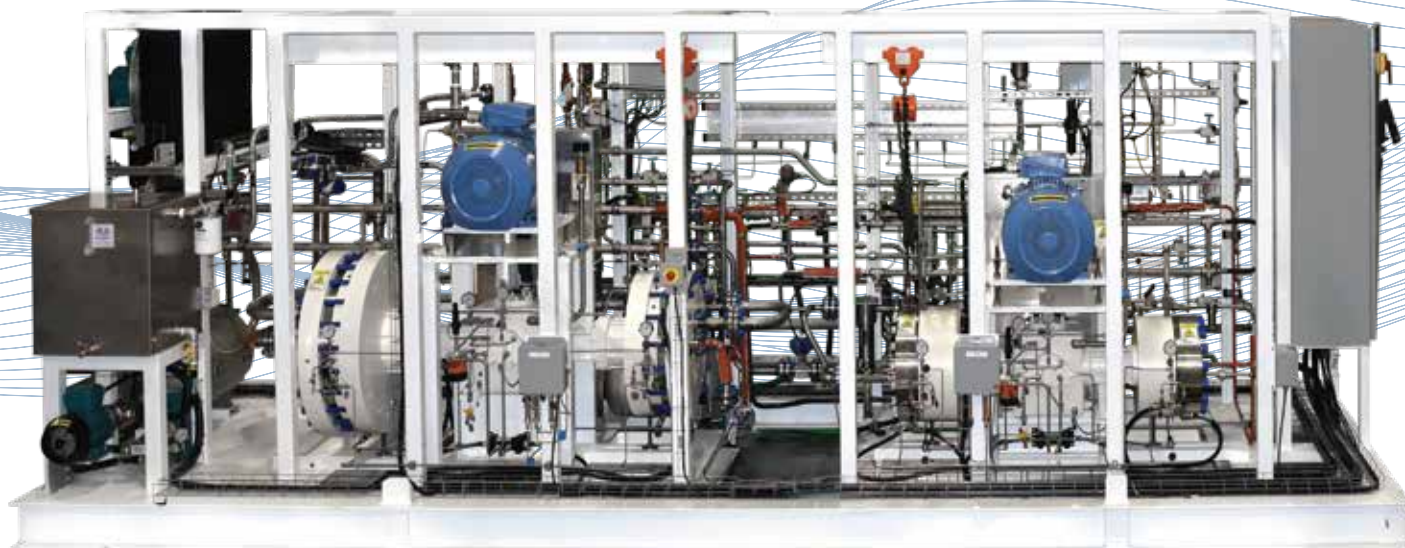




Diaphragm Compressors

Compressing high-purity industrial
and specialty gases worldwide



Performance, Reliability & Service

A reputation built on customer satisfaction
— just ask industry leaders.



Broad performance range

Discharge pressures from 50 to 20,000 psig (3.4 to 1,379 barg)
with drive power from 3 to 150 HP (2.25 to 110 kW).

Compressor configurations to meet your needs

MODEL SERIES	SUCTION PRESSURE	MAX PRESSURE	DRIVE POWER
PDC-3	Varies*	15,000 psig / 1,034 barg	Up to 15 HP / 11 kW
PDC-4	Varies*	20,000 psig / 1,379 barg	Up to 50 HP / 37.5 kW
PDC-7	Varies*	9,000 psig / 620 barg	Up to 75 HP / 55 kW
PDC-13	Varies*	15,000 psig / 1,034 barg	Up to 150 HP / 110 kW

*PDC compressors can operate with as low as 1 bara suction pressure by adding stages of compression.

Configurations & Options

- **Bare Block:** compressor core
- **Basic System:** compressor core with limited piping, instrumentation, motor & interstage components
- **Full System:** fully piped, instrumented & PLC-controlled, on or off-skid
- **Winterized Enclosures:** reliable operation in extreme weather
- **Configurations:** single, two-stage or duplex; horizontal or vertical
- **Flex Compressor:** one system, duplex or two-stage operation

Benefits of PDC diaphragm compressors

High product purity, environmentally friendly

Diaphragms isolate hydraulic oil from the process gas, preventing gas leakage and supporting zero emissions.

Safer operation

Fast-acting leak detection.

High efficiency

Our horizontally opposed crankcase design reduces required motor size, helping lower energy costs while maintaining efficient operation across a wide pressure range.

Low maintenance

Extended maintenance intervals, maximizing production output and reducing spend.

Responsive after-sales service

A global network of skilled service technicians, and prompt spare parts delivery ensures optimal compressor performance with minimal downtime.

Codes & standards

PDC complies with domestic and international codes and standards, and can build for certification by any NRTL.

Servicing many industries

Process gas compression

Wherever oil and contamination-free compression is required.

Filling & off-loading

Tube trailers, gas cylinders, and bulk storage tanks.

Industrial processing

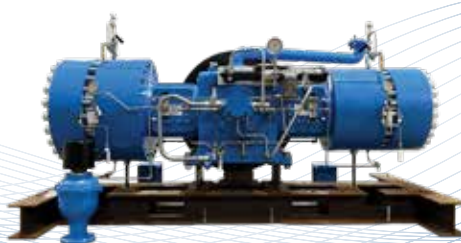
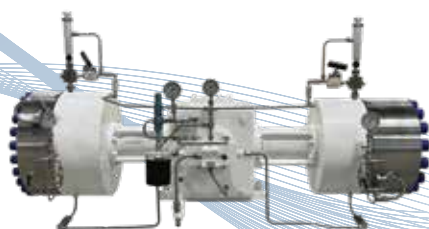
Pressure boosting, blending, recycling, inerting, purging, and mixing for chemical, petrochemical, pharmaceutical, semiconductor, fiber, glass, and metal processing.

Hydrogen and alternative energy

Refueling fuel-cell vehicles, buses, and material handling equipment; boosting and storage from on-site gas generation.

Emergency & emissions

Standby compression, off-gas compression to reduce emissions, and power plant turbine cooling.



With thousands of installations and operations across the Americas, EMEA and Asia-Pacific, PDC delivers proven value, quality, performance and reliability worldwide.



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