



## Sundyne Genuine Parts For Diaphragm Compressors

### Why Sundyne Genuine Parts for PPI Diaphragm Compressors?

- Greater Reliability
- Longer Bearing Life
- Improved Component Life
- Warranty Protection
- Longer MBTM Intervals
- Only Parts Specifically Designed for Diaphragm Compression Duty



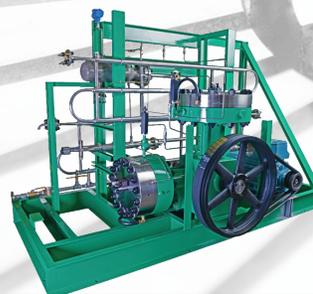
9000 SERIES



7000 SERIES



4000 SERIES



2000 SERIES



PPI diaphragm compressors, and all genuine parts are designed & manufactured in the United States and France. PPI is owned by Sundyne, and has been part of Sundyne's global family since 2014.

Sundyne's PPI diaphragm compressors deliver total assurance of non-contaminating gas compression. Boasting a leak tight mechanism that features static seals which do not need to be purged or vented, these compressors present absolutely zero leakage threat to the atmosphere, providing an ideal solution for safely handling Hydrogen and other ultra-pure, corrosive or volatile gases.

Engineered to isolate the process media from the piston or piston rings with a set of metallic diaphragms, PPI compressors eliminate the risk of cross contamination.



### Don't Trust Non-OEM Parts:

The safety and reliability of PPI diaphragm compressors can be compromised if non-OEM parts are used.

### Fast, Easy Maintenance:

Sundyne makes it easy to obtain every part needed to maintain and keep PPI compressors operating at peak efficiency:

- O-ring Kits
- Check Valves
- Overpump Valves
- Oil Filters
- Diaphragms

Keep an inventory of Sundyne parts on hand to maintain reliability AND cost savings.



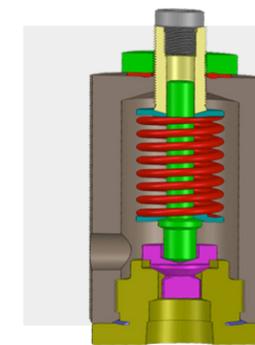
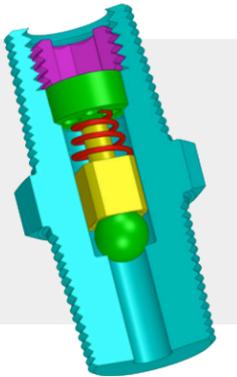
### Check Valves For Diaphragm Compressors:

Pirated or replicated check-valves are not engineered for long-term reliability under high frequency cyclic response and higher operating pressures, making them less reliable for use in PPI compressors. Check valves for PPI compressors use materials that minimize wear, improve sealing and reduce corrosive effects. Process conditions dictate the style of valve specified for a given process:

- Elastomeric sealed poppet valves are used for discharge pressures of around 5000 psi (345 bar)
- Metal sealed ball valves are preferred for higher pressure applications
- Plate-type designs are generally selected for high capacity compressors.

### Hydraulic Inlet Check Valves:

The check valve (located at the inlet of the hydraulic head) prevents back-flow of oil to the injection pump during the compression stroke. This simple but sturdy ball-type valve is specifically designed for PPI compressors. Field proven to provide reliable service over a long period, it features all-metal construction and heat treated materials for high durability and long life.



### Hydraulic Overpump Valves:

This valve controls oil pressure for the compressor's hydraulic system, and maintains sufficient hydraulic pressure to achieve the specified process gas discharge pressure. Genuine Sundyne PPI parts use a heat-treated metal-to-metal, low-lift poppet & seat that relieves on every stroke. Sundyne/PPI hydraulic overpump valves are field proven to provide thousands of hours of reliable operation.

### The Diaphragm – Featuring Enhanced Material Engineering For Maximum Performance:

All aspects of Sundyne/PPI diaphragm design are intended to enhance component life and improve operation, while simultaneously simplifying and reducing the need for maintenance. Because of this, PPI diaphragm compressors will run for years with routine maintenance and oil changes.

Constructed from special materials that provide enhanced strength, elasticity and durability, the Sundyne genuine diaphragm is engineered to perform to well over 10 million cycles, offering unprecedented reliability, and peace of mind.



For more information, contact Sundyne today – to ensure that your compressor is operating at peak performance.

## Backed By Global Support

Sundyne is more than just a manufacturer of high quality pumps, compressors and genuine aftermarket parts. Sundyne's highly-engineered solutions are backed with a full range of global aftermarket services that extend the value of Sundyne equipment far beyond the point of sale. The Sundyne service team is here to provide a trouble-free customer experience at every turn. That's **RELIABILITY REALIZED.**

Sundyne's Aftermarket Programs Include:

- 24 X 7 Global Support
- Gearbox Exchanges & Upgrades
- Maintenance Kits
- Conversion Programs
- On-Site SundSCHOOL
- Field Service Support
- Overhaul and Repair Services
- Site Surveys
- Emergency Expedite Services

Benefits of Using Genuine Sundyne Parts	Sundyne Genuine Parts	3rd Party Parts
Latest Engineered Parts & Upgrades for Maximum Reliability	✓	✗
Advanced Manufacturing Processes, Tolerances with Certified Materials	✓	✗
Parts Made to OEM Specs which Equal or Exceed Industry Standards	✓	✗
Direct Manufacturer's Service Support	✓	✗
Retain Existing Sundyne Warranty	✓	✗

## Sundyne: An OSHA VPP Star Site

Environmental Health and Safety (EH&S) is integral to Sundyne's culture. Providing a 100% safe work environment through the manufacturing and installation phases of a project is a core priority. To learn more about Sundyne's extended service offerings, visit [www.sundyne.com](http://www.sundyne.com) or contact us toll free at 1-866-SUNDYNE.



For more information please visit [www.sundyne.com](http://www.sundyne.com) and fill out the Contact Me form. A Sundyne representative will contact you.



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