



Proven Solutions for the Global Compression Industry™

# Lubrication Systems





## CPI Lubrication Products

The oil and lubrication system plays a very significant role in the performance of a reciprocating compressor. Too much, too little or inconsistent delivery can reduce performance, lead to premature wear and potentially result in catastrophic failure. CPI provides industry leading lubrication system products and services, partnering with our customers to develop individual solutions to their unique lubrication needs. From individual components to complete, turnkey systems, we can provide the resources and expertise to ensure your compressor operates at peak performance and longevity.

## Lubrication Pumps

CPI designs and manufactures high quality lubricator pumps to meet the specific needs of a wide range of compressor makes and models, and can select the pump that matches the specifications of your lubricator box.

## Lubrication Boxes

CPI manufactures lubrication boxes in hundreds of different sizes, ratios and mounting configurations to fit your old or new engine, pump or compressor.

Applications include:

- Engines
- Pumps
- Compressors
- Natural gas compressors
- Machine tools
- Printing presses
- Steel mills
- Pulp & paper mills
- Spindles
- Textile machinery
- Tap/die lubrication
- Lumber mills
- Transfer presses
- Mobile equipment
- Mining
- Woodworking



## Divider Blocks

CPI's divider blocks (also known as distribution blocks or divider valves), distribute precisely controlled lubrication to up to six points, reducing the size of lubrication boxes while ensuring accurate oil delivery.

## Monitoring Devices

No-flow devices detect lubrication system failures and shut down the compressor before costly damage can occur to the compressor.

CPI offers a wide range of reliable no-flow devices, including the top of the line **Proflo® PF-1®** monitoring device, that monitor system operation and store system data for retrieval, analysis, and predictive maintenance. The mid-range **Proflo® Jr.** monitoring device is designed for a long and trouble-free life in the harshest conditions.

The **Proflo® Eos** device is an automatic adjusting lubrication pump that constantly monitors the quantity of oil cycling through the divider block, ensuring an optimum lubrication level at all times.

The CPI capture proximity switch provides basic no-flow detection and easily ties in with existing divider blocks and system control panels.



## Check Valves

CPI offers a range of high quality check valves to be used on compressors and divider block systems, including the XDC Extreme Duty Check Valve with Check Valve Protectors and Double Ball Check Valves.

## System Design

CPI offers the highest quality compressor lubrication systems available in the industry today. Our applications engineers and highly trained technicians partner with our customers to ensure that their lubrication systems perfectly match their unique compressor needs.

Our new SAFEGUARD™ lubrication system consoles are designed to be all-in-one, stand-alone solutions that can be customized to meet the needs of virtually any compressor system. With all components fastened to a heavy-duty panel, the SAFEGUARD™ consoles reduce installation time, increase uptime and simplify maintenance.

Each system comes standard with the following components, with the option of adding a wide variety of accessories to meet specific compressor configurations:

- Stainless steel reservoir
- Duplex supply-side oil circuit
- Primer bowl and built-in air bleeds
- Single or dual motor HVLP gearbox
- Duplex discharge-side oil circuit
- Pressure, temperature and level gauges
- POPR® (pop open pressure relief) valve
- Manual priming pump
- Duplex desiccant breathers
- Rugged steel frame with powder coated finish

## Technical Training

CPI provides customized training, which can be done on-site at the customer facility or at one of our technical training schools, to educate your technicians on how to handle challenging problems in the field and how to prevent the problems from occurring in the first place.

## Products, Systems and Spare Parts Service

As an integral part of our business, we carry a complete line of lubricators, pumps and accessories for engine and compressor applications. Our global network of service centers ensure that the parts you need arrive promptly and with minimal disruption to your operation.





## Lube System Installation

The CPI lubrication installation team has experience with most compressor environments and specializes in reciprocating compressors. The lubrication package is fabricated in-house for consistency and the highest possible quality control. On site, our installation technicians prep the compressor, install the system, make any adjustments, and thoroughly test every aspect of the system, ensuring the system operates both efficiently and reliably.



## Lube System Maintenance

CPI maintains a global network of expert lubrication field service teams that have the resources, knowledge and skill to tackle any lubrication system maintenance or repair. We understand the cost of downtime, and we're at the ready to get your compressor operation up and running as quickly as possible.



## On Site System Analysis

CPI's technical and field service teams can solve any challenging or recurring problems with your compressor. Our engineers perform a complete on-site system analysis, troubleshoot the root cause of any problem, and provide expert, long-term solutions that not only fix the symptom, but also stop the problem from recurring in the future.



CPI, an EnPro Industries company, is an industry-leading manufacturer of precision-engineered components for reciprocating compressors used in petrochemical, refining, natural gas, and offshore industries. The CPI product range includes packing, piston and rider rings and a complete line of compressor valves designed to provide each customer with maximum performance and reliability for their application. In addition, CPI offers the highest quality lubrication system technology for further compressor efficiency and protection.