



Proven Solutions for the Global Compression Industry™

Compressor Valves





CPI Hi-Flo™ Valves

CPI Hi-Flo™ valves feature aerodynamic ring profiles that deliver high flow rates, reliable performance, and an optional replaceable seat plate for simplified maintenance in remote locations. Hi-Flo™ valves are custom designed by CPI engineers to meet customer requirements in the most demanding applications.

HI-FLO™ VP (V-PROFILE) & HI-FLO™ RD (RADIUSED DISC)

- Aerodynamic rings enable the free passage of liquid slugs, reducing the risk of secondary damage to the rings or seat.
- Reliable performance in rugged and hostile operating conditions.
- Custom designed to maximize efficiency and reliability.
- Can be designed reversible for use as suction or discharge.
- Suitable for both lubricated and non-lubricated applications.
- Available with finger or plug-type unloaders.



- Capable of operating across a wide range of parameters, including temperatures up to 390°F (200°C) and pressures over 6000 psi (400 bar).
- Suitable for sour gas applications.
- Custom spring design for each application to maximize opening and closing time.
- Springs and buttons are available in several strengths and styles.
- Internal center bolt features a simple, reliable design that is easy to assemble and cannot come loose.

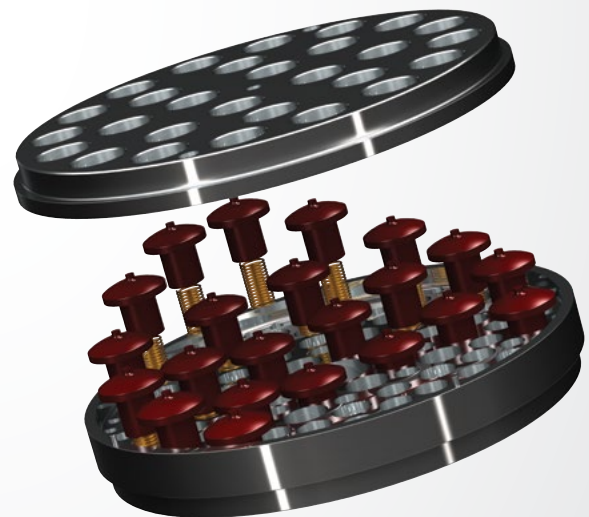
HI-FLO™ RS (REPLACEABLE SEAT)

- In addition to the features listed above, the Hi-Flo™ RS valves include a replaceable PEEK seat plate within the valve.
- Can be reconditioned in remote applications.
- No spare inventory, special tools, presses or equipment necessary.
- No reduction in valve seat thickness.

CPI Compressor Valves

RING VALVES, PLATE VALVES & POPPET VALVES

- Custom designed for each application.
- Designed for both lubricated and non-lubricated applications.
- Manufactured to high quality standards with metallic and non-metallic sealing components.



Achieving optimum performance and reliability are key to most operators. CPI ring and plate valves can deliver across a broad spectrum of applications and operating conditions.





Unloaders and Actuators

CPI valves can be supplied with finger and plug-type suction valve unloaders, which are complemented by a range of pneumatic actuators designed specifically for each application.



Valve Reconditioning and Replacement Parts

We recondition and supply replacement parts for all types of valves within our global network of service centers.



Valvealert™ Monitoring Device

Valvealert™ is a non-intrusive, safe-condition monitoring tool that automatically detects and notifies the operator of errors within the compressors and related equipment. Valvealert™ allows the user to collect and analyze data without the need for specialist training.



CPI prides itself on its unique approach to developing new compressor valve concepts and non-metallic materials used in the production of valves, piston rings, rider rings, packing and oil wipers. Our application expertise has transformed the performance and reliability of reciprocating compressors in a wide range of applications around the world.