

Hi-Flo™ RS Valve (Replaceable Seat Valve)

Developed specifically for customers who are operating compressors installed in offshore production platforms, FPSOs and facilities where no maintenance workshops are available the Hi-Flo™ Replaceable Seat valves by CPI, part of the Howden group, eliminate the need for off-site reconditioning. The design incorporates a replaceable seat that can be quickly and easily removed and installed without the use of special tools.

DESIGN FEATURES

- Valve housing — Stainless steel for corrosion resistance
- Valve rings — Radius disc design provides better gas flow
- Springs and buttons — Durable and corrosion resistant
- Replaceable seat — Eliminates wear to the valve housing

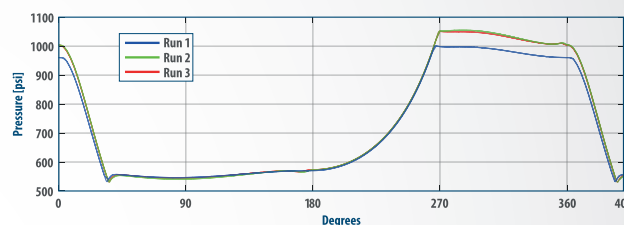
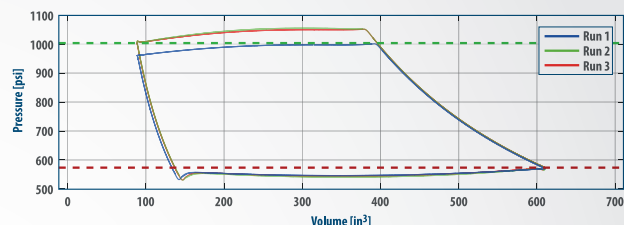
NOTE: Rebuild kit includes replaceable plate, new valve discs, springs and buttons.



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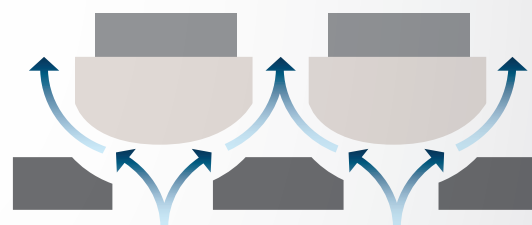
FEATURES

- Simplifies maintenance at remote or hazardous compressor operations
- Performs well under severe operating conditions as well as in processing of gases that contain liquid slugs and debris
- Eliminates need for spare valve inventory, reducing operating costs
- Easily reconditioned
 - No reduction in valve seat thickness
 - No adjustment is needed if unloader fingers are fitted
 - No special tooling or presses needed to remove the seat plate
- Reliable in oil, gas, petrochemical and air separation industries
- Non-replaceable components are produced in stainless steel to prevent corrosion
- Nose diameter — 75 mm/2.95 in and up
- Capable of operating across a wide range of parameters, including:
 - temperatures up to 200°C/390°F
 - pressures up to 250 bar/3625 PSI
- Made with highly durable PEEK-based material
- Suitable for:
 - both lubricated and non-lubricated compressors
 - sour gas applications
 - compressor speed over 1200 RPM



CPI provides comprehensive compressor valve performance analysis.

Radiused Disc Ring Design



Gas flow diagram

