

CPI valves with replaceable seat plate



radiused disc
Hi-Flo™
poppet
ring type
ported plate
unloaders
actuators
reconditioning
replacement parts
Valvealert™



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replaceable seat plate

This concept was conceived to satisfy specific customer demands who were successfully operating compressors using CPI radiused disc valves installed in offshore production platforms, FPSOs and facilities where no maintenance workshops are available.

problem

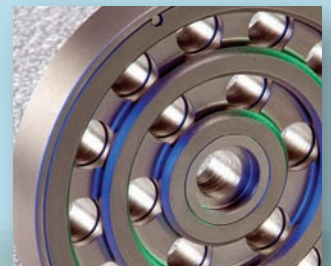
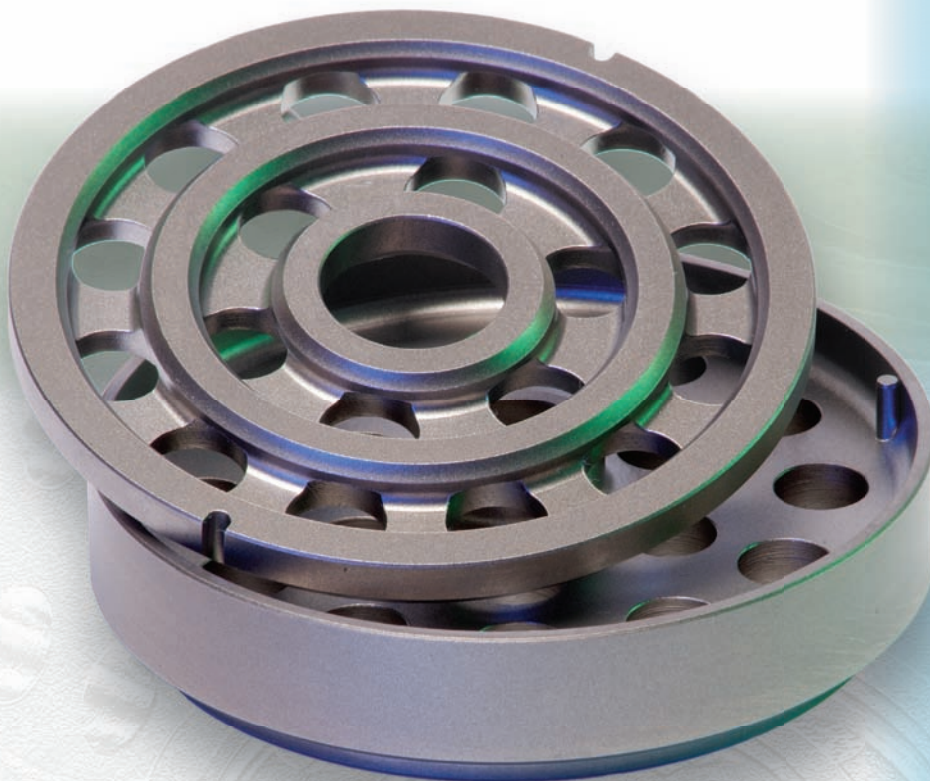
Although the CPI valves provide very long run times (up to three years) between planned maintenance overhauls, the remoteness of compressors in these operating environments, the need for specialist skills and equipment to overhaul them presents significant problems for remote operations when reconditioning is necessary. These problems can only be solved by shipping the valves back to the relevant CPI facility or approved workshop for maintenance. This whole process can obviously be very costly and time consuming.

solution

CPI Engineering Department has produced this new design which incorporates a replaceable metal seat plate within the existing radiused disc valve. This concept can also be applied to CPI Hi-Flo™ valves and easily used at compressor operations for maintenance.

benefits

- CPI valve reconditioning can be carried out on the platform or FPSO
- No special tools, presses or equipment are necessary
- No re-machining is necessary
- No reduction in valve seat thickness consequently on suction valve reconditioning no adjustment is necessary if unloader forks are fitted
- No spare valve inventory is necessary



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