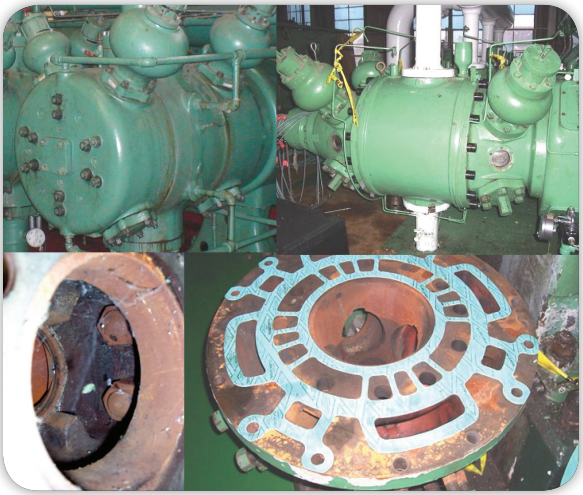
VIH REPLACEMENTS

CI Modern Replacement for Existing Valve-in-Head Cylinders



THE COMPRESSOR CHALLENGE

The Valve-in-Head Cylinder Design with a three piece cylinder body was a common cylinder design practice of many Compressor OEMs.

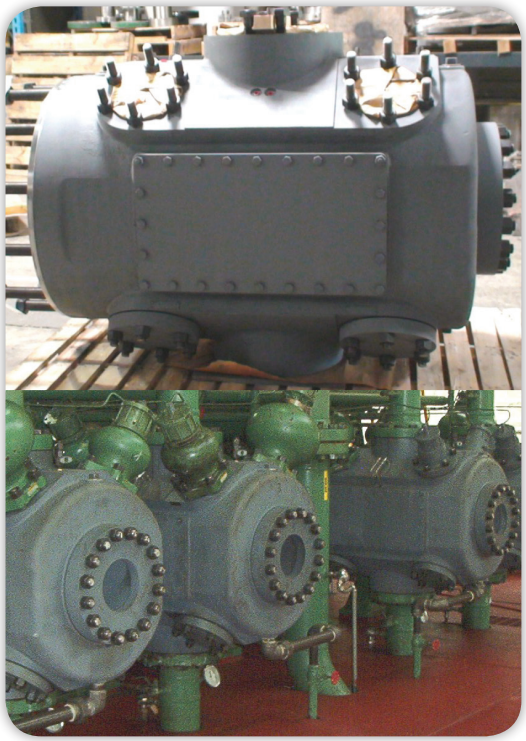
Increased maintenance time to access piston because of the large size, quantity, and location of threaded fasteners.

Difficulty achieving proper gasket crush and proper torque with some bolts only accessible through valve openings resulting in gas or SAFETY HAZARD! Gasket material discontinuation has increasingly made it more difficult to design a reliable gasket that prevents leakage 100% of the time.

THE ACI SOLUTION

ACI's Valve-in-Barrel Cylinder

- Valve-in-Barrel cylinder design improves reliability & safety:
  - Gasket elimination reduces possible gas & coolant leaks, thus increasing safety
  - Fewer & more accessible fasteners reduce maintenance, labor & downtime
  - Higher MAWP ratings are possible
- Designed to utilize existing components:
  - Reduces the overall cylinder cost by reusing most existing cylinder components
  - Preserves value of existing inventory of spares
- Designed to be a bolt-in replacement:
  - Minimizes replacement cost by reusing existing bottles & mounting locations
  - Minimizes installation downtime



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