VIH REPLACEMENTS

CI Modern Replacement for Existing Valve-in-Head Cylinders

THE COMPRESSOR CHALLENGE

The Valve-in-Head (VIH) cylinder design, which uses a three-piece cylinder body, was a common configuration among many compressor O.E.M.s. However, this design increases maintenance time when accessing the piston due to the large size, quantity, and positioning of the threaded fasteners.

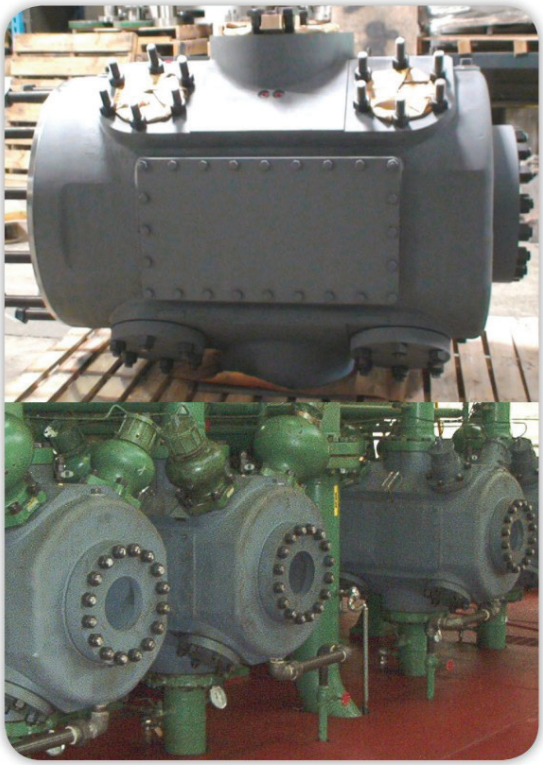
It is difficult to achieve proper gasket crush and torque because some bolts are only accessible through valve openings, which can create a gas or safety hazard. In addition, the discontinuation of certain gasket materials has made it increasingly challenging to design a reliable gasket that prevents leakage 100% of the time.

THE ACI SOLUTION: VALVE-IN-BARREL CYLINDER

- Valve-in-Barrel cylinder design improves reliability and safety:
  - Gasket elimination reduces possible gas and coolant leaks, thus increasing safety
  - Fewer and more assessible fasteners reduce maintenance, labor, and downtime
  - Higher MAWP ratings are possible

- Designed to utilize existing components:
  - Reduces the overall cylinder cost by reusing most existing cylinder components
  - Preserves the value of existing inventory of spares

- Designed to be a bolt-in replacement:
  - Minimizes replacement cost by reusing existing bottles and mounting locations
  - Minimizes installation downtime



LEGENDS DON'T STOP. WE MAKE SURE OF IT.™

CALL +1 855-2COOPER | +1 740-435-0240
24/7 TECH SUPPORT: SUPPORT@COOPERSERVICES.COM
COOPERSERVICES.COM

ACI SERVICES
A COOPER MACHINERY SERVICES DIVISION ™

MKT-1069 10/2025