

CPI Hi-Flo™ RD Valves Demonstrate Long-Life Reliability and Service

The Challenge

Multiple trials using various competitors' ring and plate valve designs on a KSB hydrogen/hydrocarbon mix compressor failed to extend operational life beyond **3,000 hours**, primarily due to frequent ring and plate failures in the first-stage valves.

Even the original OEM valves, equipped with metallic plates and maintained exclusively by the OEM, delivered no better results—reaching the same limited service interval of **3,000 hours**.

The Solution

CPI's Hi-Flo™ RD valves have consistently delivered outstanding durability, achieving an impressive **8,000 hours** of continuous operation between scheduled shutdowns on this high-demand application.

Impressed by this performance, the customer awarded CPI the **long-term service contract for the site**, entrusting all compressor maintenance and valve support to CPI's expert team. CPI completed a comprehensive **bottom-up service overhaul**, ensuring optimal compressor performance and reliability.

Sustained Partnership and Results:

- CPI has maintained the service contract without interruption since service overhaul
- Continued optimization of compressor uptime and efficiency
- Reliable valve performance minimizing unexpected downtime

