

# Hi-Flo RD Valves in Ethylene Application

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## The Challenge

Original OEM valves on this non-lube Mitsui Ethylene compressor suffered from poor reliability. There were a few issues the customer faced with these valves, such as cracking of metallic plates and difficulty in getting valves to seal efficiently. The Average lifetime was also only circa 6 months, which caused unplanned shutdowns and resulted in site issues.

## The Solution

CPI by Howden, a Chart Industries Company, discussed these problems with customers and produced a VDA. The customers main interest, however, was in reliability, and this was achieved when new valves were installed and successfully run up. The valves have run for almost 4 years, and they have only been removed twice for regular, planned overhauls. In each case, all valves were in excellent condition and showed little to no wear patterns. This has resulted in the plant performing as planned, and it has given the site manager confidence to extend running hours.

