

Solving Hi-Flo™ RD Valve Maintenance Issues with Hi-Flo™ RS Upgrade



The Challenge

The customer had long relied on the proven durability of the Radius Disc Valve installed in their Gardner Denver methane compressor. Over several years, the valve consistently delivered reliable performance.

However, during scheduled compressor overhauls, time constraints led to a shift in maintenance practices. Instead of full refurbishment, the removed valves were simply refitted on-site using new kits. While this allowed for quicker turnaround, it gradually compromised valve efficiency and reliability over time.

The Solution

CPI introduced a significant upgrade by replacing the existing Radius Disc (RD) valves with the innovative **Hi-Flo™ Replaceable Seat (RS) Valve** — a design that retains the proven disc, spring, and button configuration, but adds a critical advantage: a **removable seat plate**.

This replaceable seat plate is supplied as part of a comprehensive kit, alongside discs, springs, and buttons. As a result, valves can now be overhauled directly on-site within minutes, restoring **full performance equivalent to a brand-new valve**.

Key Advantages:

- On-site overhauls without specialized tooling or delays
- Consistent achievement of annual service intervals
- Each valve performs like new after every overhaul
- No need to send components off-site, saving both time and logistics costs

