

## 10K PR2 Poppet Check Valve

Gilmore is pleased to announce the release of a newly redesigned PR2 check valve, developed to standardize check valve configurations while improving lead times and overall product availability.

This new design maintains the proven performance customers expect from Gilmore while introducing manufacturing and serviceability improvements that support faster delivery and long-term reliability. By standardizing the PR2 check valve design, Gilmore enhances supply chain efficiency without compromising performance or compliance, ensuring customers receive dependable solutions with improved availability.



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# 10K PR2 Poppet Check Valve

## Features and Benefits:

### Key Features:

- PR2 PSL3 metal to metal poppet check mechanism
- Incorporates a rolled pin design to replace anti-rotation welding, reducing lead time while improving serviceability and overall lifecycle value.

### Materials:

- Elgiloy® spring
- Stellite® poppet and Inconel® seal ring
- Super Duplex Stainless Steel body
- NACE MR0175 compliant

### Available Configurations:

- Butt weld inlet & outlet
- Custom tube stub sizes available upon request

### Pressure Data:

- 15,000 psi hydrostatic shell test pressure
- 10,000 psi rated working pressure
- 0°F to 250°F temperature range
- ≤ 60 psi design cracking pressure (+/- 10%)

### Flow Data & Design Validation

- Flow coefficient (Cv) of 2.0
- Qualification meets API 6A PSL3 Class FF, API 6A PR2 Annex F



**Table 1. 10K PR2 Replacement Pinned Part Numbers**

| Item | New Valve Description                                            | Legacy Welded Valve PN | New Pinned Valve PN |
|------|------------------------------------------------------------------|------------------------|---------------------|
| 1    | 1/2" POPPET, Ø.630 X Ø.500 BUTT WELD, 10K CHECK VALVE, PSL3, PR2 | 25146-19               | 25146-44            |
| 2    | 1/2" POPPET, Ø.620 X Ø.500 BUTT WELD, 10K CHECK VALVE, PSL3, PR2 | 25146-23               | 25146-47            |
|      | *Other configurations not listed are available upon request      |                        |                     |

Please contact Gilmore Customer Service to request any drawings, manuals, or quotations for this product to [Info@gilmore.com](mailto:Info@gilmore.com).