15K 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.

REV	DATE	DESCRIPTION	ISSUED BY	APPROVED
001	04/06/2026	Document No: 100-040626-001B	DH	BR

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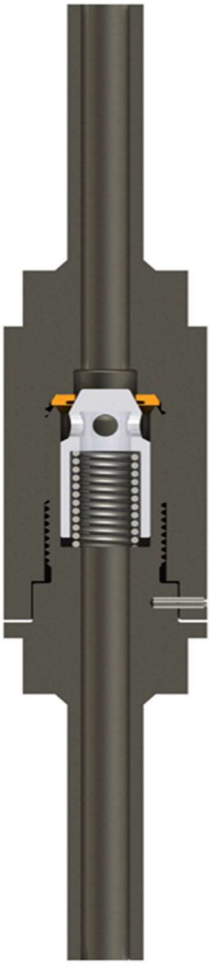
For more information:
Call +1 713 468 8778
INFO@Gilmore.com

Gilmore
1231 Lumpkin Road
Houston, TX 77043

15K 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:

- 22,500 psi hydrostatic shell test pressure
- 15,000 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. 15K PR2 Part Numbers

Item	New Valve Description	Legacy Welded Valve PN	New Pinned Valve PN
1	1/2" POPPET, Ø.760 X Ø.500 BUTT WELD, 15K CHECK VALVE, PSL3, PR2	25146-20	25146-45
2	1/2" POPPET, Ø.570 X Ø.375 BUTT WELD, 15K CHECK VALVE, PSL3, PR2	25146-21	25146-46
3	1/2" POPPET, Ø.750 X Ø.482 BUTT WELD, 15K CHECK VALVE, PSL3, PR2	25146-24	25146-48
	*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.**