

1" GEN2 10 ksi Damping Pressure Regulator

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1" GEN2 10 ksi Damping Pressure Regulator

Gilmore announces the new 1" GEN2 10 ksi Damping Pressure Regulator, with manually adjustable spring for critical applications both subsea and topside. Gilmore's proprietary Tungsten Carbide seal trim combined with the patented damped carrier design provides benchmark reliability.

Features and Benefits:

- Qualification exceeds API 16D requirements – 10,000 cycles
- Patented guided hydraulic damping technology:
 - Reduces oscillation, hunting, chattering and vibration
 - Allows for quicker system hydrostatic testing
- Low deadband performance optimizes reaction time
- Tungsten Carbide seal trim for debris tolerance
- Bolted plunger guide for ease of maintenance
- Dynamic Plunger T-Seal
- Improved Valve Materials:
 - 17-4PH 1150D Body & T316 Flanges
 - Nitronic 60 Seal Carrier
 - T316 Spring Housing

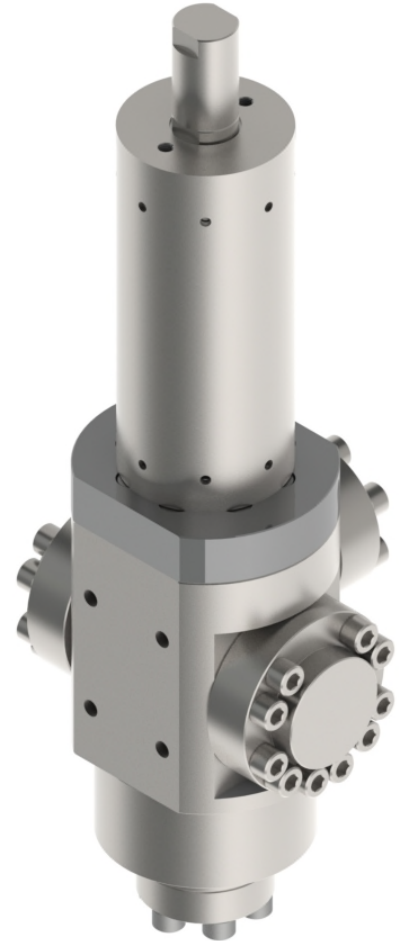


Figure 1. PN 29230: 1" GEN2, Pressure Regulator, 10 ksi, Manual Spring, 3/4" SAE Ports, 5500-3000 psi range

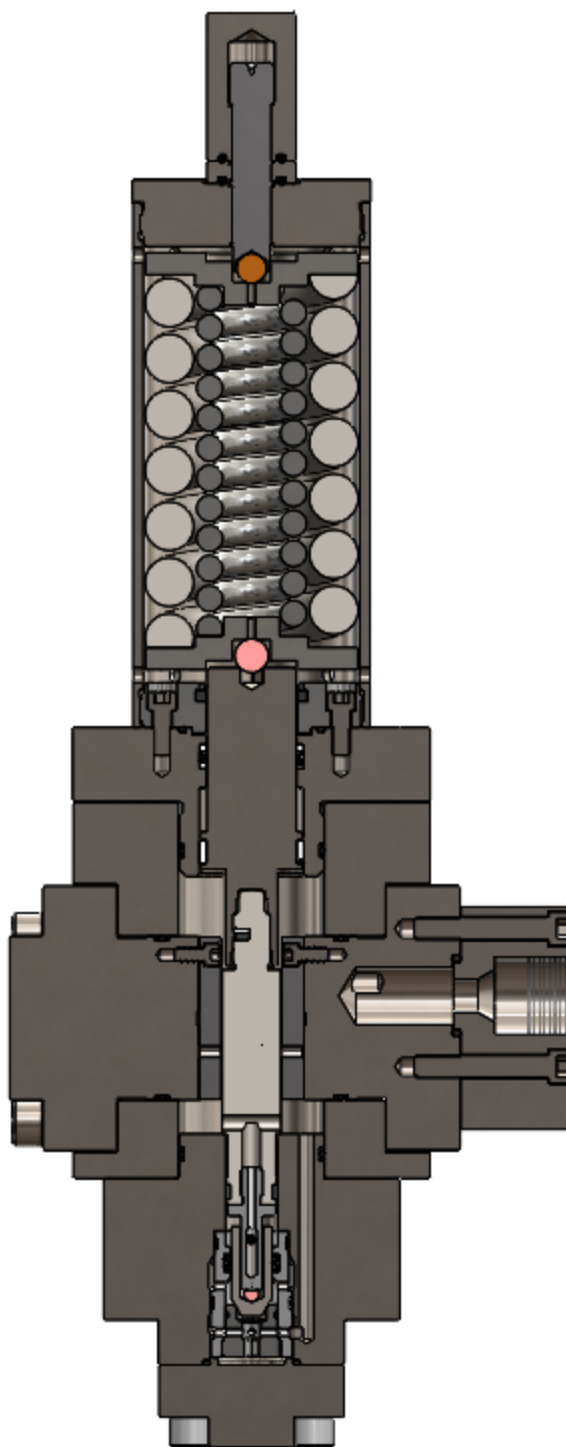


Figure 2. PN 29239: 1" GEN 2, Pressure Regulator, 10 ksi, Manual Spring, 1" MP Ports, 5500-3000 psi range

1" GEN2 10 ksi Damping Pressure Regulator

Gilmore has exceeded API 16D requirements by qualifying the new 1" GEN2 Damping 10 ksi Pressure Regulator designs to two endurance qualification tests of 10,000 cycles, at a maximum flow rate of 85 gpm at 10,000 psi, single inlet, with 1% - 4% water glycol test fluid.

Table 1. New 1" GEN2 Damping Pressure Regulator:

Item	New Valve Description	New Valve PN	New Repair Kit PN
1	1" GEN2 Regulator, Damping, 10 ksi, Manual, ¾" SAE, Single Inlet, 5500-3000 psi range	29230	29230 RK
2	1" GEN2 Regulator, Damping, 10 ksi, Manual, ¾" SAE, Single Inlet, 3500-2000 psi range	29231	29231 RK
3	1" GEN2 Regulator, Damping, 10 ksi, Manual, 1" MP Ports, Single Inlet, 3500-2000 psi range	29238	29238 RK
4	1" GEN2, Regulator, Damping, 10 ksi, Manual, 1" MP Ports, Single Inlet, 5500-3000 psi range	29239	29239 RK
5	1" GEN2, Regulator, Damping, 10 ksi, Manual, 1" MP Ports, Dual Inlet, 5500-3000 psi range	29240	29240 RK

The new product family of 1" GEN2 10 ksi Damping Pressure Regulator designs is now available. Specific customer requirements for different actuators or connection types will be accommodated. Please contact Gilmore Customer Service to request additional drawings and quotations for these new 1" GEN2 10ksi Damping Pressure Regulators at Info@gilmore.com.