

Gilmore Subsea Compact Pressure Regulator

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COMPANY PROPRIETARY INFORMATION

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Gilmore Subsea Compact Pressure Regulator

Gilmore announces the new Subsea Pressure Regulator product line for critical hydraulic control systems, operating with supply pressures up to 15,000 psi.

With Tungsten Carbide shear seal trim, the Subsea Compact Pressure Regulator is a simple, robust manual spring valve design that provides the utmost reliability. Its small footprint can be readily panel mounted

Features and Benefits:

- Qualification exceeds industry requirements
 - 7,500 endurance cycles
- Supply pressure up to 15,000 psi
- Extensive regulated pressure range from 3000 psi – 9000 psi
- Failsafe manual spring configuration
- Construction allows for quick and simple field maintenance
- Tungsten Carbide shear seal trim design
- Optional panel mounting bracket available for installation ease
- CRA Material Construction
 - Tungsten Carbide seal trim
 - Nitronic 50 Body
 - Nitronic 60 Seal Carrier
 - T316 Flanges
 - Inconel X-750 Compression Spring



Figure 1 PN 29149: Subsea Compact Pressure Regulator

3/8" Outlet, 1/4" Inlet, 3000 – 9000 psi range



Gilmore has exceeded industry requirements by qualifying the new Subsea Compact Pressure Regulator design to 7,500 cycles, with a flow rate of 4 gpm, at 15,000 psi inlet & 3000 psi setpoint with 1% - 4% water glycol test fluid.

The new Gilmore Subsea Compact Pressure Regulators are now available for purchase. Examples of assembly configurations are listed below for reference. Gilmore will create other customized Subsea Compact Pressure Regulator configurations at customer request.

Please contact Gilmore Customer Service to request a quotation for the Subsea Compact Pressure Regulator listed below, or for other custom configurations as required.

Table 1. New Compact Pressure Regulator and Kit Part Numbers:

| Item | New Valve Description | New Valve PN | New Repair Kit PN | New Seal Kit PN |
|------|---|--------------|-------------------|-----------------|
| 1 | Valve, Compact Regulator, 15 ksi Inlet, 9 – 3 ksi setpoint range, 1/4" Supply and Vent, 3/8" Regulated NPT Ports | 29149 | 29149 RK | 29149 SK |
| 2 | Valve, Compact Regulator, 15 ksi Inlet, 9 – 3 ksi setpoint range, 1/4" Supply and Vent, 3/8" Regulated NPT Ports, Panel Bracket | 29150 | 29150 RK | 29150 SK |
| 3 | Valve, Compact Regulator, 15 ksi Inlet, 9 – 3 ksi setpoint range, 1/4" MP Ports | 29164 | 29164 RK | 29164 SK |
| 4 | Valve, Compact Regulator, 15 ksi Inlet, 9 – 3 ksi setpoint range, 1/4" MP Ports, Panel Bracket | 29167 | 29167 RK | 29167 SK |

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Figure 2. PN 29149: Subsea Compact Pressure Regulator, Maximum 15 ksi Inlet, 9 – 3 ksi Regulated Range, 1/4 x 3/8 NPT