“Go Brighter. Go Neon.”

Series 30
High Outlet Pressure regulator

Features and Benefits
• Simple poppet and seat design for easy maintenance
• 10 micron filter element to protect the regulator seat
• 3 point sub-seat seal protects against leakage
• 2 year factory warranty
The Series 30 regulator offers control ranges from 1,000 to 2,500 psig with inlet pressures up to 6000 psig. Based on our Series 10 regulator, but with a piston sensor instead of a diaphragm, we are able to offer all of the same porting configurations, seat materials, and Cv values as that series, but with a much higher delivery pressure. The Series 30 can be configured as either a cylinder-type or a line regulator. It can be supplied with gauges, outlet valve, or CGA fittings. It has a 10 micron filter as standard and has bubble-tight shutoff.

**SERIES 30**

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**Specifications**

For questions about this product, please contact Neon Controls.

**Operating Parameters**

Pressure rating per criteria of CGA E-4; ASME B31; ASME BPVC

**Maximum Inlet Pressure**

6000 psig / 415 Bar

**Maximum Outlet Pressure**

1000, 2000, 2500 PSI

7000, 14000, 17,500 kPa

70, 140, 175 Bar

**Design Proof Pressure**

150% of rated pressure

**Leakage**

Internal: Bubble tight

External: Designed to meet < 2 x 10⁻⁸ atm/cc He

**Operating Temperature**

-40°F to 185°F / -40°C to 85°C

**Flow Capacity**

0.03, 0.07, 0.24, 0.3, 0.35, 0.58

**Wetted Materials**

**Body**

Brass, 316L Stainless Steel

**Seat**

Peek, PCTFE [standard], Vespel

**Filter**

10 micron 316L Stainless Steel

**Spring Housing**

316L Stainless Steel

**Remaining Parts**

Inconel

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Pressure and Temperature Rating for Seats

<table>
<thead>
<tr>
<th>Code</th>
<th>Material</th>
<th>Pressure in PSI Minimum</th>
<th>Pressure in PSI Maximum</th>
<th>Temperature Maximum</th>
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<td>3600</td>
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<td>50</td>
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</tbody>
</table>

Shipping Weight: 1.9 pounds

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Warranty

Precision Instrumentation warrants each Neon regulator to be free from defects in materials and workmanship for two years after manufacture date.

In the unlikely event that a Neon regulator is defective in workmanship or materials, Precision Instrumentation will, at its discretion, repair or replace the regulator free of charge.

The selling distributor must process all warranty claims. If the original purchaser suspects a defect in a Neon regulator, the regulator, together with proof of purchase, must be returned to the selling distributor for evaluation and disposition.

This warranty applies only under conditions of use for which each regulator is designed and does not cover cosmetic damage or damage due to misuse, abuse, neglect, accident, improper installation, or acts of God. This warranty does not extend to or apply to any regulator that has been repaired or altered by any party other than Precision Instrumentation or its authorized distributors.

This warranty is in lieu of and excludes all other warranties, expressed or implied, including the warranties of merchantability and fitness for a particular purpose. Precision Instrumentation will not be liable for any special or consequential damages, or for any loss, damage or expense directly or indirectly arising from use of or inability to use any regulator, either separately or in combination with any other equipment or material, or from any other case.

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