Furon® UPRP Precision Regulator

Manually Actuated
(1/4" Orifice)

Description
Furon UPRP Precision Pressure Regulators are engineered to control downstream fluid pressures with the utmost precision. By adjusting the ergonomically designed knob, the end user can control the desired fluid output pressure. Our regulator contains no exposed metallic parts. Additionally, our unique diaphragm design assures that the regulators will not “chatter” at the lower end of the pressure range settings, a behavior common to many types of competing pressure regulators.

Wetted flow path is 100% PTFE and PFA and the regulator is 100% metal-free and elastomer-free, making the UPRP Pressure Regulators an ideal choice for Semiconductor applications, or any other application requiring high purity and/or superior chemical resistance.

Applications
• Precise regulation of pressures in aggressive or ultrapure chemical or DI water lines
• Protecting sensitive instrumentation from pressure spikes
• Preventing foreign particles from being forced through filtration membranes due to unstable pressures

Features and Benefits
• Precise, chatter-free control of downstream fluid pressure
• Handles fluid temperatures up to 194°F (90°C)
• All virgin PTFE/Fluoroloy® and PFA wetted flow path
• Non-metallic external surfaces
• Secondary diaphragm and isolation bellows
• Integral leak port

ASK AN ENGINEER
Furon® UPRP
Precision Regulator

Furon UPRP 1/4” Precision Regulator - Manually Actuated

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Pressure Regulation Range</th>
<th>End Connection</th>
<th>Orifice (in)</th>
<th>Port Size (in)</th>
<th>A (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPRP-F44-30-M</td>
<td>10–30 PSIG (0.7 – 2.1 bar)</td>
<td>FlareGrip®</td>
<td>1/4</td>
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<td>4.5 (114.3 mm)</td>
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<td>UPRP-S30044-30-M</td>
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Operating Specifications

Max. Operating Pressure 90 psig (6.2 bar)
Max. Operating Temperature Ambient: 122°F (50°C) Media: 194°F (90°C)
Pressure Regulation Range* 10 – 30 psig (0.7 – 2.1 bar) and 20 – 60 psig (1.4 – 4.1 bar)
Flow Factor Cv 0.8
Body PTFE and PFA
Diaphragm Modified PTFE
Top Cap (Air Actuator) Polypropylene

Options

- Other end connections not listed

Please consult factory for further details >>

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Fax: (714) 688-2614

NOTE: The data and details given in this document are correct and up to date. This document is intended to provide information about the product and possible applications. This document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Saint-Gobain cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application.

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WARRANTY: If Product is Purchased by Customer for use. Saint-Gobain warrants that the Product Specifications is for a period of 18 months, provided Customer can establish that the Product did not conform to Specification at time of delivery and the non-conformance of the Product to Specification has not been caused as a result of any action or inaction by the Customer or Customer’s storage conditions. If Product is Purchased by Distributor or Reseller. Saint-Gobain warrants that the Product Specifications for a period of 18 months, provided Distributor can establish that the Product did not conform to Specification at time of delivery and the non-conformance of the Product to Specification has not been caused as a result of any action or inaction by the Distributor/Reseller or its or because of storage conditions under which the Product is stored at Distributor/Reseller’s and/or Customer/End User’s storage facility.

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