AUTOMATIC FLOW CONTROL

1/2" - 2"

ISOLATOR "Y"

ACCESSIBLE CARTRIDGE

SPECIFICATIONS:

PSI/Temperature Rating:
- 1/2"-1-1/2": 600 WOG 400 PSI / 250° F
- 1-1/2"-2": 400 WOG 275 PSI / 250° F

Cartridge:
- AISI Type 304 stainless steel
- AISI Type 17-7 PH stainless steel spring

Strainer:
- 20 mesh stainless steel

Body Material:
- 1/2"-1-1/2": Forged brass ASTM B283-06
- 1-1/2"-2": Cast brass

End Connections:
- Brass – NPT, Sweat or QuickPress

Ball Valve Seals:
- Teflon

Union Seal:
- EPDM O-Ring

Body Tappings:
- Port 1 and 2: Combination P/T Test Valve and Manual Air Vent (CPTA); Port 4: Drain, 1/4" in YY1, 1/2" in YY2 and YY3

Ball Valve:
- Nickel-plated brass ball
- Optional: Stainless Steel ball

Field Repairable Stem:
- Dual Teflon seals and EPDM O-ring

Assembly:
- Valve comes fully assembled

Options:
- Port 2: Bypass (1/2" on YY1), Extension Option

DIMENSIONS & WEIGHTS (NOMINAL)

<table>
<thead>
<tr>
<th>SIZE</th>
<th>A - FIXED END CONNECTION</th>
<th>UNION END CONNECTION</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Cv²</th>
<th>WEIGHT (LBS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FNPT SWT</td>
<td>FNPT</td>
<td>MNPT</td>
<td>SWT</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>1/2&quot;</td>
<td>5.1 5.3</td>
<td>1/2&quot;,3/4&quot;:1.0</td>
<td>1&quot;:N/A²</td>
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<td>1&quot;:1.4</td>
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<td>5.2 5.4</td>
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<td>7.1 7.5</td>
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<td>2&quot;:N/A³</td>
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<td>2&quot;</td>
<td>9.5 10.1</td>
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<td>1&quot;:1-1/4&quot;</td>
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</table>

For QuickPress connections add 3.1" (1/2") 3.6" (3/4"), 4.1" (1") to the FNPT length (A) listed for a valve.

All dimensions are for planning purpose only, contact factory for actual measurement at time of order.

NOTES

1 QuickPress is available on 1/2" to 1" valves only. Connections are compatible with popular press tools and are rated for maximum 200 PSI.
2 Body Tappings for accessories are a leak proof metal to metal seal and do not require pipe dope or tape. Tape or dope should not be used.
3 Bypass is only available on 1/2" to 1-1/2" valve. 1"L to 1-1/2" valves have a bypass that is a line size tee.
4 For overall length, add union end connection length to body length.
5 Cv's are based on housing with a clean 20 mesh strainer but without the cartridge.
6 Tailpiece is not available for this size. Male tailpiece used with coupling.
7 1-1/4"-1-1/2" valves can also take 1/2"-3/4" MNPT tailpieces.

Replaces F-4093B and F-4203F

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2803 Barranca Parkway, Irvine, CA 92606
(949) 599-6000 Fax (949) 599-6088
www.GriswoldControls.com
MODEL NUMBER SELECTION

Select a Housing Size (1=1/2"-1", 2=1 L-1-1/2", 3=1-1/2 L-2")

Select a PSID control range: (1=1-14, 2-2-32, 4-4-57, 8-8-128)

Select an Accessory Package: (B=CPTA and Drain, C=CPTA, Drain and Bypass)

Select Ball and Stem Package (P=Plated Ball, S=SS Ball and Stem)

Extension Option (0=No, 1=1-1/2", 2=2")

FLOW RATES (+/-5%)

<table>
<thead>
<tr>
<th>SIZE</th>
<th>MODEL NO.</th>
<th>HEAD LOSS IN FEET</th>
<th>PSID RANGE</th>
<th>GPM</th>
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</tr>
</tbody>
</table>

NOTES

8 Model no. and flow rate are indicated on label affixed to body.
9 Bypass is only available on 1/2" to 1-1/2" valve. 1"L to 1-1/2" valves have a bypass that is a line size tee.
10 Extension Option includes handle cover and accessory extensions.
11 Select the Fixed End First and the Union End Second.
12 Tailpiece is not available for this size. Male tailpiece used with coupling.
13 Fixed end not available for this size. Union tailpiece only.
14 Head Loss in Feet is provided for pump head calculations. (1 PSI = 2.307 Feet of Water)