Pressure Control Valves
RF & RCF-16-*P*-10
RF & RCF-16-**-10

Service Data

Vickers®
Pressure Relief

Cross Section View of Typical RCF Valve

<table>
<thead>
<tr>
<th>Model</th>
<th>Pressure Range</th>
<th>Cover</th>
<th>Spring</th>
<th>Spool</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF-16-A*-10</td>
<td>A (250 PSI)</td>
<td>103918</td>
<td>133105</td>
<td>103920</td>
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<tr>
<td>RCF-16-A*-10</td>
<td>B (500 PSI)</td>
<td>133106</td>
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<td>RF-16-B*-10</td>
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<tr>
<td>RF-16-D*-10</td>
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<tr>
<td>RF-16-F*-10</td>
<td>F (2000 PSI)</td>
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<tr>
<td>RCF-16-X*-10</td>
<td>X (31 PSI)</td>
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<tr>
<td>RCF-16-Z*-10</td>
<td>Z (125 PSI)</td>
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</tbody>
</table>

133104 Adjusting Screw
1459 Nut
133940 Cover
7075 Plug
(Used on Types 1 & 4 only)

1173 Screw (4 req’d)

See back page for Connection Flanges

△ Included in Seal Kit 919068

133124 Body Sub-Assembly
RCF Series includes
103904 seat. Used with check valve

133123 Body - RF Series
Used without check valve

136568 Plug
(2 Req’d)

Name Plate 3X-36212 Screw
(2 req’d) (Not shown)

138063 Plug
Used on RCF Series Only

△ 154010 "O" Ring
(2 req’d)

154024 "O" Ring

133126 Retainer
103924 Spacer

△ 154034 "O" Ring

154010 "O" Ring (2 req’d)

7075 Plug
(Used on Types 1 & 2 only)

7077 Plug (7076 Plug for "F" Pressure Range Model)

△ 154034 "O" Ring

Pressure Range Plunger
A, B, & D 103919
X or Z 306469
F 306469

7077 Plug (7076 Plug for "F" Pressure Range Model)
Model Code

R (C) F - 16 - * (P) * - 10

1 Model Series
R - Pressure control valve

2 Check Valve
C - With integral check valve (reverse free flow)
(Omit without check valve.)

3 Flange Connection

<table>
<thead>
<tr>
<th>Flange Connections (Not furnished with Unit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
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</tr>
<tr>
<td>FL-12-PS-20</td>
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<tr>
<td>FL-16-PS-20</td>
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<tr>
<td>FL-12-PL-20</td>
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<tr>
<td>FL-16-PL-20</td>
</tr>
</tbody>
</table>

Flanges are furnished with a seal, screws and washers for fastening.

4 Valve Size
2" nominal

5 Pressure Rating
A - 250 PSI
B - 500 PSI
D - 1000 PSI
F - 2000 PSI
Z - 125 PSI

6 Control
P - Auxiliary Control
(May be used with any of the 4 valve types shown)
(Omit for standard control.)

7 Valve Types
(Inset views at bottom of page show the cover positions for valve types 1 through 4.)

8 Design

Note: Assemble covers as shown to obtain valve action desired.

For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 18/15 or cleaner. Selections from Eaton OFP, OFR and OFRS filter series are recommended.

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