Pressure Control Valves

R(C)T-03-**-30
R(C)S-03-**-30

298126 Screw (8 req’d) Torque 31 – 38 N.m. (23 – 28 lb. ft.)
315932 Plug Torque to 24 – 27 N.m. (18 – 20 lb. ft.) Used on types 1 & 4 only.

263496 “O” – Ring
262334 “O” – Ring
583195 Stop

391660 Plate (Rotate plate with cover according to valve type.)

Spring (See table)
Spool (See table)

◆ Body S/A | Model
◆ 581709 | RCS-03-**-30
◆ 581711 | RS-03-**-30
◆ 590346 | RCT-03-**-30
◆ 590367 | RT-03-**-30

Nameplate

AX–36212 Drive screw (4 req’d)
◆ Body S/A (See table)

Plunger (See table)

315932 Plug Torque to 24 – 27 N.m. (18 – 20 lb. ft.) Used on types 1 & 2 only

315932 Plug Torque to 24 – 27 N.m. (18 – 20 lb. ft.) Used on types 1 & 2 only

315932 Plug Torque to 24 – 27 N.m. (18 – 20 lb. ft.) Used on types 1 & 2 only

1484 Nut
64520 Shim (As req’d)
581728 Cover (Rotate cover according to valve type.)

197572 Back-up ring
391661 Plug (Assemble wide land of guide next to spring.)

262346 “O” – Ring

Model | Pressure range | Spool | Spring
--- | --- | --- | ---
R(C)*-**-A | 80–250 | 340287 | 343087
R(C)*-**-B | 125–500 | 340287 | 343088
R(C)*-**-D | 250–1000 | 340287 | 343089
R(C)*-**-F | 475–2000 | 340287 | 343089
R(C)*-**-X | 10–30 | 340288 | 343088
R(C)*-**-Y | 30–60 | 340288 | 343088
R(C)*-**-Z | 60–125 | 340288 | 343089

Pressure range | Cover | Plunger
--- | --- | ---
A, B, & D | 581732 | 593890
X, Y, & Z | 581731 | 593891
F | 581731 | 593891

263494 “O” – Ring (2 req’d)
343740 Plug (2 req’d) Torque to 13.6 – 15.8 N.m. (120–140 lb. in.)

Used on RC* series only

79795 Poppet
95633 Spring
315932 Plug Torque to 24 – 27 N.m. (18 – 20 lb. ft.)

Included in F3 seal kit 919777
◆ For reference only not available for sale.

Revised 11-01-85
## Model Code

### (F3) - R (C) * - 03 - * * - 30

<table>
<thead>
<tr>
<th>Special seals</th>
<th>Connection size</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Omit on STD. models.)</td>
<td>03 – (\frac{3}{8}) “</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Pressure control valve</th>
<th>Pressure range</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A – 80 – 250 PSI</td>
</tr>
<tr>
<td></td>
<td>B – 125 – 500 PSI</td>
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<tr>
<td></td>
<td>D – 250 – 1000 PSI</td>
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<tr>
<td></td>
<td>F – 475 – 2000 PSI</td>
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<tr>
<td></td>
<td>X – 10 – 30 PSI</td>
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<tr>
<td></td>
<td>Y – 30 – 60 PSI</td>
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<tr>
<td></td>
<td>Z – 60 – 125 PSI</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Check valve option</th>
<th>Valve types</th>
</tr>
</thead>
<tbody>
<tr>
<td>C – With integral check valve</td>
<td></td>
</tr>
<tr>
<td>(Reverse free flow)</td>
<td>(Inset views at bottom of page show cover positions for the (4) valve types.)</td>
</tr>
<tr>
<td>Omit – No check valve</td>
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</tbody>
</table>

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<tr>
<th>Mounting</th>
<th>Design</th>
</tr>
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<tbody>
<tr>
<td>S – .750–16 UNF–2B thread</td>
<td></td>
</tr>
<tr>
<td>T – (\frac{3}{8})” NPTF thread</td>
<td></td>
</tr>
</tbody>
</table>

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

#### Type 1
RT series – Back pressure valve
RCT series – Counterbalance valve
Directly controlled internal drain

#### Type 3
RT or RCT series – Sequence valves
Remotely controlled external drain

#### Type 2
RT or RCT series – Sequence valves
Directly controlled external drain

#### Type 4
RT series – Unloading valve
RCT series – Counterbalance valve
Remotely controlled internal drain

For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 16/13 or cleaner. Selections from pressure, return, and in-line filter series are recommended.