Pilot Operated Directional Valve

DG3S4-04(*)-(*)-40
Spring Centered & No-Spring Models

<table>
<thead>
<tr>
<th>Model</th>
<th>Spool</th>
<th>Diagram Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td>DG3S4-040***-40</td>
<td>399891</td>
<td>433852</td>
</tr>
<tr>
<td>DG3S4-042***-40</td>
<td>399892</td>
<td>433853</td>
</tr>
<tr>
<td>DG3S4-043***-40</td>
<td>399393</td>
<td>433854</td>
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<tr>
<td>DG3S4-044***-40</td>
<td>413481</td>
<td>433855</td>
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<tr>
<td>DG3S4-046***-40</td>
<td>399894</td>
<td>433856</td>
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<tr>
<td>DG3S4-048***-40</td>
<td>399896</td>
<td>433855</td>
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<tr>
<td>DG3S4-049***-40</td>
<td>413483</td>
<td>433852</td>
</tr>
<tr>
<td>DG3S4-04333***-40</td>
<td>399897</td>
<td>433856</td>
</tr>
</tbody>
</table>

● Type 9 spool is not used on Spring Centered models.
○ Normally used only on Spring Centered models.

See Spool Assembly note below.

Included in 919512 Seal kit

Screw (4 req’d)  Model
189128  With pilot choke
8077  Without pilot choke
Torque to 50 lb. in. (5.6 N.m) max.

Diagram Plate (See table)
416834 Rivet (2 req’d)

Spring Centered models only

403732 Spring (2 req’d)

242190 Washer (2 req’d)

Spool (See table)

Body  Model
418669  With Check Valve
418668  Without Check Valve

154015 "O" Ring (3 req’d) on models with check valve, 4 req’d on other models

Included in Stroke Adjuster Kit 941029

298129 Screw (4 req’d)

262369 "O" Ring

297873 Piston

1485 Nut

154015 "O" Ring (3 req’d) on models with check valve, 4 req’d on other models

Spring Assembly Note
Assemble type 3 spool with narrow land toward "A" end of unit.

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### Spring Offset Model

**Diagram Plate**

<table>
<thead>
<tr>
<th>Model</th>
<th>Spool</th>
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<tbody>
<tr>
<td>RH</td>
<td>LH</td>
<td></td>
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<tr>
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<td>433857</td>
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<td>DG3S4-042A*-40</td>
<td>413482</td>
<td>434314</td>
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<td>DG3S4-046A*-40</td>
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<td>DG3S4-049A*-40</td>
<td>413483</td>
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**Models with check valve only**

- 189128 With pilot choke
- 8077 Without pilot choke

**Screw** (4 req’d)

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**Spring**

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<tr>
<td>40982 Cover</td>
</tr>
<tr>
<td>472553 Pin</td>
</tr>
<tr>
<td>▲ 173792 “O” Ring</td>
</tr>
<tr>
<td>(2 req’d)</td>
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</tbody>
</table>

**Pilot Choke (See back page)**

- ▲ 262332 “O” Ring
- (4 req’d) (Ref.)
- ▲ 472553 Pin (Ref.)
- ▲ 113000 Plug (2 req’d)
- ▲ 294732 Spring
- ▲ 298130 Screw
- (4 req’d)
- ▲ 293862 Cover
- ▲ 7074 Plug
- ▲ 113000 Plug
- (3 req’d)

**Spool (See table)**

- ▲ 199817 “O” Ring
- (2 req’d)

**Body Model**

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<tr>
<td>418669</td>
<td>With Check Valve</td>
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</tr>
<tr>
<td>418668</td>
<td>Without Check valve</td>
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**154015 “O” Ring (3 req’d) on models with check valve, 4 req’d on other models**

**154319 “O” Ring (2 req’d)**

**113000 Plug**

- ▲ 113000 Plug
- 7074 Plug

**416834 Rivet (2 req’d)**

- ▲ 416834 Rivet
- 298126 Screw (8 req’d)
- 293572 Cover (2 req’d)

**Stroke adjust cover parts are shown on other page.**

**Note**

RH assembly shown. For LH assembly, the end covers and spring are assembled on side opposite of that shown. For stroke adjust parts see other page.

**919512 Seal kit**

**Included in**

- ▲ 298130 Screw (4 req’d)
- ▲ 293862 Cover
- ▲ 113000 Plug
- (4 req’d)
- ▲ 7074 Plug
- (3 req’d)

**Rollpin (2 req’d)**

- ▲ 172750 Rollpin
- ▲ 367427 Restriction Plug
- (Use on Low Shock models, Suffix “X” omitted.)

**154018 “O” Ring (2 req’d)**

**Included in Stroke adjust cover parts are shown on other page.**
Pilot Choke
DGMFN-3-Y-A2W-B2W-21

- F3 - Multi-fluid capability (Viton® seals)
  Viton is a registered trademark of E.I. DuPont

Model Series
Directional control valve, subplate or manifold mounted, pilot operated, sliding spool, 4 flow directions.

Valve Size
04 - 1/2”

Spool Type

Spool/Spring Arrangement
(Omit for standard.)
A - Spring offset
C - Spring centered

Fast Response
X - Omit for standard low shock models.

Spool Control Modifications
(Omit when not required.)
1 - Stroke adjustments
2 - Pilot choke adjustments
3 - Pilot choke & stroke adjustments
7 - Stroke adjustment “A” end only
8 - Stroke adjustment “B” end only

Check Valve
(Omit when not required.)
K - 5 psi check
R - 50 psi check
S - 75 psi check

Design Number

Left Hand Build
(Omit for offset to “A” models shown.)
Spring offset model offset to “B”.

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.