Pressure Centered Pilot Operated Directional Control Valves

DG3S-8-*D*-*-10
**Cover Attaching Bolts**

<table>
<thead>
<tr>
<th>Model</th>
<th>Bolt Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>W/out Pilot Choke</td>
<td>466834</td>
</tr>
<tr>
<td>W/Pilot Choke</td>
<td>466836</td>
</tr>
</tbody>
</table>

Torque to 4.5-5.7 N.m (39.8-50.4 lb. in)

Bolt Kit includes 4 screws

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**Plug Torques**

<table>
<thead>
<tr>
<th>Plug</th>
<th>Torque (N.m)</th>
<th>Torque (lb. in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>343740</td>
<td>10.0-11.8</td>
<td>90-105</td>
</tr>
<tr>
<td>398071</td>
<td>3.4-4.0</td>
<td>30-35</td>
</tr>
<tr>
<td>407533</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**Model Spool**

<table>
<thead>
<tr>
<th>Model</th>
<th>Spool</th>
<th>I.D. Plate with Circuit Diagram</th>
</tr>
</thead>
<tbody>
<tr>
<td>DG3S-8-0D**-**-10</td>
<td>363495</td>
<td>400967</td>
</tr>
<tr>
<td>DG3S-8-1D**-**-10</td>
<td>276623</td>
<td>400968</td>
</tr>
<tr>
<td>DG3S-8-2D**-**-10</td>
<td>363496</td>
<td>400969</td>
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<tr>
<td>DG3S-8-3D**-**-10</td>
<td>276625</td>
<td>400970</td>
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<tr>
<td>DG3S-8-4D**-**-10</td>
<td>276626</td>
<td>400971</td>
</tr>
<tr>
<td>DG3S-8-6D**-**-10</td>
<td>363498</td>
<td>400972</td>
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<tr>
<td>DG3S-8-8D**-**-10</td>
<td>363499</td>
<td>400971</td>
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<tr>
<td>DG3S-8-9D**-**-10</td>
<td>363500</td>
<td>400967</td>
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<tr>
<td>DG3S-8-33D**-**-10</td>
<td>363501</td>
<td>400972</td>
</tr>
</tbody>
</table>

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**Parts shown included in stroke adjustment kit 941154. Stroke adjustment cylinder "B" end only.**

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**Note**

Assemble Type 1 and 3 spools with narrow center land toward "A" end of valve. "A" end of valve is defined as being closest to cylinder port "A".

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Cover Attaching bolts (See table)

941157 Cover & Rest Pin S/A

Pilot Choke (See back page for parts)

1. 262335 "O" Ring (2 req'd)
2. 262332 "O" Ring (Ref) (4 req'd)
3. 471119 Set Screw (Bond in place with Loctite H/S or equivalent.)
4. 398071 Plug (2 req'd)
5. 473784 Screw (4 req'd) Torque to 49-59 N.m (36-43 lb. ft.)

Cover

Identification Plate (See table)

Note
- Parts included in service kits will not be sold separately.
- All threaded fasteners are metric.
- End cover fasteners are metric grade 12.9.

DG3S-8-*D*-*-K-10
398130 –
DG3S-8-*D*-*-R-10
398131 Yellow
DG3S-8-*D*-*-S-10
398132 Red
Pilot Choke
DGMFN - 3 - Y - A2W - B2W - 21

Model Code
(F3) DG3S - 8 - * D - * - * - * - 10

1. Special Seals
   F3 - Seals for mineral oil or fire resistant fluid

2. Directional Control Valve
   DG3S - Subplate mounting, pilot operated. Pressure rating 210 bar (3000 PSI)

3. Valve Size
   8 - Valve size CETOP 8

4. Spool Type
   D - Pressure Centered

5. Fast Response
   X - Fast response (Omit for standard models.)

6. Check Valve in Pressure Port
   K - 0.35 bar (5 psi)
   R - 3.45 bar (50 psi)
   S - 5.2 bar (75 psi)

7. Spool Control Modification
   (Omit if not required.)
   2 - Pilot Choke
   8 - Stroke adjustment - Cylinder ‘B’ end only
   2-8 - If both are required

8. Design

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 pressure, return, and in-line filter series are recommended.