Wet Armature Solenoid Operated Directional Valve

DG4S*-01*A-W(3)-*-50
**DG4S*-01*A-W-*-50**

Right hand assembly shown. For left hand assembly all parts, except body, are reversed. Example of left hand model: DG4S*-012A-W-*-50-LH.

Part numbers prefixed with a symbol are available only as service kits.

Suffix symbol pertains only to Vickers material control.

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**Model | Spool | Diagram Plate | Spool Kit**

<table>
<thead>
<tr>
<th>Model</th>
<th>Spool</th>
<th>Diagram Plate</th>
<th>Spool Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>DG4S2-012A-W-*-50</td>
<td>573396</td>
<td>290347</td>
<td>940701</td>
</tr>
<tr>
<td>DG4S2-012A-W-*-50LH</td>
<td>577488</td>
<td>290348</td>
<td>941010</td>
</tr>
<tr>
<td>DG4S4-010A-W-*-50</td>
<td>572287</td>
<td>290348</td>
<td>940703</td>
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<tr>
<td>DG4S4-010A-W-*-50LH</td>
<td>577490</td>
<td>290348</td>
<td>941011</td>
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<tr>
<td>DG4S4-012A-W-*-50</td>
<td>463426</td>
<td>290348</td>
<td>940704</td>
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<tr>
<td>DG4S4-012A-W-*-50LH</td>
<td>577490</td>
<td>290348</td>
<td>941012</td>
</tr>
<tr>
<td>DG4S4-016A-W-*-50</td>
<td>572288</td>
<td>290348</td>
<td>940705</td>
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<tr>
<td>DG4S4-016A-W-*-50LH</td>
<td>577490</td>
<td>290348</td>
<td>941013</td>
</tr>
</tbody>
</table>

Spool kit includes spool, diagram plate, seal kit, and parts prefixed with a closed square symbol (■).

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**Coil Type | Core Tube S/A**

<table>
<thead>
<tr>
<th>Coil Type</th>
<th>Core Tube S/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC</td>
<td>&quot;W&quot; Non-Serviceable</td>
</tr>
<tr>
<td>DC</td>
<td>&quot;W&quot; Serviceable</td>
</tr>
</tbody>
</table>

"W" Non-Serviceable |
"W" Serviceable | 926593 941034 |

Included in serviceable (W3) Core Tube subassembly

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- **Screw (2 req’d)**
  - Torque to 1.4-1.8 N.m
  - Torque to 12-16 lb-in

- **Coil S/A (See table)**

- **O-Ring (2 req’d)**
  - Torque to 29.8-38.0 N.m
  - Torque to 264-336 lb-in

- **For use with AC coils**
- **For use with AC coils**

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**Note**

- Right hand assembly shown. For left hand assembly all parts, except body, are reversed. Example of left hand model: DG4S*-012A-W-*-50-LH.
- Part numbers prefixed with a symbol are available only as service kits.
- Suffix symbol pertains only to Vickers material control.
Correct armature and pole face must be used for AC and DC operation.
Model Code

(F3) - DG4S** - 01 * A - W3 - * - 50 - (LH)

1. Seal Material
   F3 - Seals for mineral oil and fire resistant fluids

2. Model Series
   DG4S** - Directional valve, manifold or subplate mounting, solenoid operated, sliding spool

3. Flow Direction
   2 - 2 way
   4 - 4 way

4. Solenoid Indicator Lights
   L - Light
   Omitted - None

5. Series

6. Spool Type

7. Offset
   A

8. Wet Artmature Type
   W - Non-serviceable Core Tube S/A
   W3 - Serviceable Core Tube S/A

9. Coil Identification Letter

10. Design

11. Left Hand Assembly

For Models with Solenoid Indicator Lights

Solenoid Indicator Light Kit (Includes all parts identified)

<table>
<thead>
<tr>
<th>Voltage Range</th>
<th>Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 thru 127</td>
<td>941615</td>
</tr>
<tr>
<td>192 thru 233</td>
<td>941617</td>
</tr>
</tbody>
</table>

Note
Refer to parts drawing I-3487-S for models with plug-in feature.

For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 20/18/15 or cleaner. Selections from Eaton OFP, OFR, and OFRS series are recommended.