Description
Rotary directional control valve are hand lever operated valves designed for applications where,
1. Pressures are high
2. Internal leakages in the valve need to be negligible and,
3. Flow handled are very small.

These valves are available with open or closed crossover condition while in operation.

Three mounting styles are designed to suit specific customer needs.

Technical specifications
- **Construction**: Rotary disc type.
- **Mounting**: Threaded and subplate body.
- **Mounting position**: Optional.
- **Interface**: Factory standard.
- **Flow direction**: Refer spool type given above.
- **Flow handling capacity**: Refer graph shown.
- **Operating pressures**: Refer graph shown.

<table>
<thead>
<tr>
<th>Port</th>
<th>Open crossover operating pressure (bar)</th>
<th>Closed crossover operating pressures (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>700</td>
<td>500</td>
</tr>
<tr>
<td>T</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>A</td>
<td>700</td>
<td>500</td>
</tr>
<tr>
<td>B</td>
<td>700</td>
<td>500</td>
</tr>
</tbody>
</table>

- **Hydraulic medium**: Mineral oil.
- **Temperature range**: -20°C to +80°C.
- **Viscosity range**: 10 cSt to 380 cSt.
- **Fluid cleanliness required**: ISO 4406 20/18/15 or better.
- **Mass (approx)**: Model: 4RDL02*T  4RDL02*S  4RDL02*SS
  - in Kg: 1.5  1.6  2.1

Note: Torque required to operate the lever of closed crossover valve under pressure is approximately 14 Nm at 500 bar.
Torque required to operate the lever of open crossover valve under pressure is approximately 8 Nm at 700 bar.
Unit dimensions
Dimensions in mm.

Side subplate mounting body

Side mounting subplate interface
(Factory standard)

Valve mounting S.H.C Screws M6x70L (4 nos.)
Grade 12.9. Tightening torque 16 Nm.
Performance curve

Measured at temperature 40°C and with mineral oil of viscosity grade VG 46.

Ordering code

<table>
<thead>
<tr>
<th>Spool type</th>
<th>Basic Symbol</th>
<th>C</th>
<th>O</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>A B</td>
<td>XH</td>
<td>XH</td>
</tr>
<tr>
<td>E</td>
<td>A B</td>
<td>XH</td>
<td>XH</td>
</tr>
<tr>
<td>G</td>
<td>A B</td>
<td>XH</td>
<td>XH</td>
</tr>
</tbody>
</table>

4 Service ports
Rotary directional control valve lever operated
Size 02
Threaded
Subplate
Side subplate mounting SS

Design code subjected to change. Installation dimensions remain same for design code 11 thru 19.

All valve fixing Screws are out of scope of supply.

Valve models 4RDL02HP**D-15 and 4RDL02HPT**D-15 are discontinued. For Rotary DCV with handpump refer datasheet no. D10180 and D 10100 in pumps section.

All rights reserved.
Subject to revision