Hydrostatic Transmission Valve Packages

Sun Hydrostatic Transmission Valve Packages are compact pre-engineered valve assemblies. They provide reliable hot oil shuttle, cross-port and low side relief functions in a convenient ready-to-install package. Sun fast acting cartridge type valves are used throughout for high reliability, small size, low pressure loses, and ease of service. Available in SAE O-ring, BSPP, and 4-bolt flange port configuration.

**Nominal Flow** | **Sun Model Code** | **a** | **b** | **c** | **d** | **e**
---|---|---|---|---|---|---
30 GPM | XRDB-LC*-A* | 7.16 | 4.50 | 4.00 | 3.62 | 8.68
40 GPM | XRFB-LC*-A* | 7.75 | 5.00 | 5.00 | 3.88 | 9.88

*Add modifier /S to order ductile iron.

**Benefits:**
- Convenient – completely assembled ready to install
- Built in hot oil shuttle valve
- Versatile
  - Flows from 30 to 120 GPM
  - Up to 5000 psi rated pressure
  - Cross Port Relief Valve: Adjustable 1000-6000 psi
  - Low Side Relief Valve: Adjustable 60-800 psi
  - Shuttle Valve Control: Pressure 180-200 psi
- Reliable
  - Fast acting cross-port relief valves
  - Quiet, stable pilot operated low side relief valve
### Sun Model Code*

<table>
<thead>
<tr>
<th>Flow Capacity</th>
<th>Seal</th>
<th>Pilot Ratio</th>
<th>Main Port</th>
<th>Tank Ports</th>
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<tbody>
<tr>
<td>30 GPM</td>
<td>D</td>
<td>A 15%</td>
<td>L SAE-12</td>
<td>SAE-8</td>
</tr>
<tr>
<td>40 GPM</td>
<td>E</td>
<td>B 20%</td>
<td>M SAE-16</td>
<td>SAE-10</td>
</tr>
<tr>
<td>80 GPM</td>
<td>F</td>
<td>C 30%</td>
<td>X 1-11 BSPP</td>
<td>½-14 BSPP</td>
</tr>
<tr>
<td>120 GPM</td>
<td>G</td>
<td>D 50%</td>
<td>Q 1 ¼  4-Bolt Flg</td>
<td>SAE-12</td>
</tr>
<tr>
<td></td>
<td>H</td>
<td></td>
<td>Q/M 1 ½ 4-Bolt Flg</td>
<td>¾-14 BSPP</td>
</tr>
</tbody>
</table>

*Add modifier /S to order ductile iron.

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**Flow Capacity**

- D 30 GPM
- E 40 GPM
- F 80 GPM
- G 120 GPM

**Seal**

- N Buna-N
- V Viton

**Pilot Ratio**

- A 15%
- B 20%
- C 30%
- D 50%

**Main Port**

- L SAE-12
- M SAE-16
- X 1-11 BSPP
- Q 1 ¼  4-Bolt Flg
- Q/M 1 ½ 4-Bolt Flg

**Tank Ports**

- SAE-8
- SAE-10
- ½-14 BSPP
- SAE-12
- ¾-14 BSPP

**Metric**

- SAE-16
- 1-11 BSPP