Solenoid Operated Valve.
2 Way N.C. Poppet - Size 7

Up to 275 bar - 19 lpm

Operation
This is a solenoid operated 2 way normally closed poppet valve which is typically used to lock a load in position. When energised the poppet opens and releases the load from 1 to 2. De-energised the valve allows free flow from 2 to 1.
In the energised position it should be noted that 2 to 1 flow is restricted to only a pilot flow rate.
This valve can also be used as a directional valve.

Features
- Hardened parts for long life.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Industry common cavity.
- Continuous duty rated solenoid.
- Optional coil voltages and terminations.

Specifications

<table>
<thead>
<tr>
<th>Nom. Flow (lpm)</th>
<th>19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. pressure (bar)</td>
<td>275</td>
</tr>
<tr>
<td>Internal Leakage (32 cSt)</td>
<td>0 to 0.25 cc/min</td>
</tr>
<tr>
<td>Hydraulic oil</td>
<td>General purpose hydraulic fluid</td>
</tr>
<tr>
<td>Viscosity Range</td>
<td>3 to 640 cSt</td>
</tr>
<tr>
<td>Filtration</td>
<td>ISO 18/16/13</td>
</tr>
<tr>
<td>Operating temp.</td>
<td>-40 to 120°C</td>
</tr>
<tr>
<td>Voltage</td>
<td>DC / AC (see coil data page Coil-M)</td>
</tr>
<tr>
<td>Cartridge Torque</td>
<td>20 Nm</td>
</tr>
<tr>
<td>Coil Nut Torque</td>
<td>5 to 8 Nm</td>
</tr>
<tr>
<td>Cavity</td>
<td>MA07-2 (see cavity data page CAV-MA07-2)</td>
</tr>
<tr>
<td>Spare Seal Kit (Viton)</td>
<td>SK-DMAVHA</td>
</tr>
<tr>
<td>Weight - Cartridge only</td>
<td>0.06 kg</td>
</tr>
<tr>
<td>Weight - Cartridge + Coil</td>
<td>0.20 kg</td>
</tr>
<tr>
<td>Weight - Cartridge + Coil + Body</td>
<td>0.34 kg (alum) 0.59 kg (steel)</td>
</tr>
</tbody>
</table>
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Dimensions
[mm]

Coils can be fitted in any orientation.
Refer to data sheet Coil-M for coil options.

D-HAS2A

Options
00 - Nitrile
V0 - Viton

Coil termination
DL - Double lead
DT - Deutsch on Leads DT04-2P
ML - Metric-Pack on Leads
PL - Packard on Leads
WL - Weatherpack on Leads
SS - Single spade
DS - Double spade
HC - EN 175301-803* (AC&DC)
CL - Conduit Lead - (AC Only)
Options - See page Coil-M
Omit if coil is not required

Voltage
06 - 06 Vdc
12 - 12 Vdc
24 - 24 Vdc
36 - 36 Vdc
48 - 48 Vdc
25 - 24 Vac
11 - 120 Vac
22 - 220 Vac
44 - 440 Vac

Port size (BSP)
A - 1/4"
Options - See page B-DMA

No. of ports
2 - 2 ports
Options - See page B-DMA

Body material
A - Aluminium
S - Steel
For pressures over 210 bar use steel.

*Formerly DIN 43650 Hirschmann connector.