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TECNORD
a Delta Power Co.
**DESCRIPTION**

16 size, 1 5/16-12 thread, “Super” series, logic valve

**OPERATION**

The SL-PLA with an orifice between ports (3) and (1) maintains a constant flow rate from (3) regardless of load pressure changes in the system upstream of (3), or in the pass leg at (2) as long as pressure at (2) is less than (1). Used for basic blocking applications.

**HYDRAULIC SYMBOL**

PILOT TO CLOSE  |  VENT TO OPEN

| 1 | 2 | 3 |

**FEATURES**

- Hardened parts for long life.
- Industry common cavity.

For bidirectional applications see SL-PLC. For metering see SL-PCA or SL-PCB.

**PERFORMANCE**

Actual Test Data (Cartridge Only)

**VALVE SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Flow</td>
<td>40 GPM (151 LPM)</td>
</tr>
<tr>
<td>Rated Operating Pressure</td>
<td>3500 PSI (241 bar)</td>
</tr>
<tr>
<td>Viscosity Range</td>
<td>36 to 3000 SSU (3 to 647 cSt)</td>
</tr>
<tr>
<td>Filtration</td>
<td>ISO 18/16/13</td>
</tr>
<tr>
<td>Media Operating</td>
<td>-40° to 250° F (-40° to 120° C)</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>.69 lbs. (.31 kg)</td>
</tr>
<tr>
<td>Operating Fluid Media</td>
<td>General Purpose Hydraulic Fluid</td>
</tr>
<tr>
<td>Cartridge Torque</td>
<td>90 ft-lbs. (122 Nm)</td>
</tr>
<tr>
<td>Requirements</td>
<td>SUPER 3WS</td>
</tr>
<tr>
<td>Cavity</td>
<td>40500021</td>
</tr>
<tr>
<td>Cavity Form Tool</td>
<td>21191409</td>
</tr>
<tr>
<td>Seal Kit</td>
<td>Area of the pilot is 1.2 times the area of the seat at Port 3.</td>
</tr>
</tbody>
</table>

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TECNORD
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FLOW CONTROLS

SL-PLB Super Series, Logic Valve

DESCRIPTION
16 size, 1 5/16-12 thread, “Super” series, logic valve

OPERATION
The SL-PLB with an orifice between ports (3) and (1) maintains a constant flow rate from (3) regardless of load pressure changes in the system upstream of (3), or in the pass leg at (2) as long as pressure at (2) is less than (1). Used for basic blocking applications.

HYDRAULIC SYMBOL

FEATURES
- Hardened parts for long life.
- Industry common cavity.

For bidirectional applications see SL-PLC. For metering see SLPCA or SL-PCB.

PERFORMANCE
Actual Test Data (Cartridge Only)

VALVE SPECIFICATIONS
- Nominal Flow: 40 GPM (151 LPM)
- Rated Operating Pressure: 3500 PSI (241 bar)
- Viscosity Range: 36 to 3000 SSU (3 to 647 cSt)
- Filtration: ISO 18/16/13
- Media Operating Temperature Range: -40° to 250° F (-40° to 120° C)
- Weight: .69 lbs (.31 kg)
- Operating Fluid Media: General Purpose Hydraulic Fluid
- Cartridge Torque Requirements: 90 ft-lbs (122 Nm)
- Cavity: SUPER 3WS
- Cavity Form Tool (Finishing): 40500021
- Seal Kit: 21191409

Seat Ratio: Area of the Pilot is 1.5 times the area of the seat at Port 3

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FLOW CONTROLS

TECNORD

SL-PLC Super Series, Logic Valve

DESCRIPTION
16 size, 1 5/16-12 thread, "Super" series, logic valve

OPERATION
The SL-PLC with an orifice between ports (3) and (1) maintains a constant flow rate from (3) regardless of load pressure changes in the system upstream of (3), or in the pass leg at (2) as long as pressure at (2) is less than (1). Used for basic bidirectional blocking applications.

HYDRAULIC SYMBOL

FEATURES
- Hardened parts for long life.
- Industry common cavity.

For metering see SL-PCA or SL-PCB.

PERFORMANCE
Actual Test Data (Cartridge Only)

VALVE SPECIFICATIONS
- Nominal Flow: 40 GPM (151 LPM)
- Rated Operating Pressure: 3500 PSI (241 bar)
- Viscosity Range: 36 to 3000 SSU (3 to 647 cSt)
- Filtration: ISO 18/16/13
- Media Operating Temperature Range: -40° to 250° F (-40° to 120° C)
- Weight: .65 lbs. (.29 kg)
- Operating Fluid Media: General Purpose Hydraulic Fluid
- Cartridge Torque Requirements: 90 ft-lbs. (122 Nm)
- Cavity: SUPER 3WS
- Cavity Form Tool (Finishing): 40500021
- Seal Kit: 21191409
- Seat Ratio: Area of the Pilot is 2 times the area of the seat at Port 3

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