Hydraulic Distribution Manifold

Distribute hydraulic power to downstream devices

Product Overview

Moog Hydraulic Distribution Manifold (HDM) address to hydraulic power distribution for aerospace, automotive and other test systems. HDM connects in between a hydraulic power source, such as Hydraulic Service Manifold (HSM) or Hydraulic Power Unit (HPU), and downstream hydraulic devices, for example hydraulic actuators. It helps the test facilities layout the hydraulic circuitry in a simple and neat structure.

Features and Benefits

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
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<tbody>
<tr>
<td>2 levels of flow rate design</td>
<td>Adaptable to different sizes of hydraulic source</td>
</tr>
<tr>
<td>280 or 210 bar system pressure</td>
<td>Used in high or low hydraulic power source system</td>
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<tr>
<td>Up to 8 outlet ports</td>
<td>Flexible selection for specific application</td>
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<tr>
<td>Quick coupling hydraulic fitting</td>
<td>Quick and easy to plug in/out the hydraulic hoses</td>
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</tbody>
</table>

Typical Applications

Different models are designed for specific application, typically HDM can be used in:
- Aero and static testing
- Dynamic and large flow system
- General piping and HPU splitting

Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Outlet Qty</th>
<th>L (mm)</th>
<th>W (mm)</th>
<th>W1 (mm)</th>
<th>H (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C050-51</td>
<td>4</td>
<td>582</td>
<td>422</td>
<td>320</td>
<td>400</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>827</td>
<td>422</td>
<td>320</td>
<td>400</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>1066</td>
<td>422</td>
<td>320</td>
<td>400</td>
</tr>
<tr>
<td>C050-52</td>
<td>4</td>
<td>755</td>
<td>614</td>
<td>320</td>
<td>450</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>1075</td>
<td>614</td>
<td>320</td>
<td>450</td>
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<tr>
<td>C050-53</td>
<td>2</td>
<td>753</td>
<td>627</td>
<td>320</td>
<td>450</td>
</tr>
</tbody>
</table>
Specifications

C050-51
- Rated flow: 400 l/min
- System pressure: 280 bar
- Application: aero/static testing oriented
- No pilot pressure line available
- Inlet ports:
  - P: 1"-5/8, Code-62
  - R: -24, JIC-37 flare
  - D: -6, JIC-37 flare
- Outlet ports:
  - P: -12, JIC-37 flare, or 1" Quick Coupling
  - R: -12, JIC-37 flare, or 1" Quick Coupling
  - D: -6, JIC-37 flare, or 1/4" Quick Coupling
  - PP: -6, JIC-37 flare, or 1/4" Quick Coupling

Ordering Code

C050
- 5
  - Manifold Type
    - 1: Distribution Manifold
  - Manifold inlet flow
    - 400 l/min
  - Number of Outlet Port
    - 4: 4 Outlet Ports
    - 6: 6 Outlet Ports
    - 8: 8 Outlet Ports

C050-52
- Rated flow: 880 l/min
- System pressure: 210 or 280 bar
- Application: dynamic/large flow
- Inlet ports:
  - P: 2", Code-62
  - R: 2", Code-61
  - D: -8, JIC-37, or DIN 24° Cone (12L)
  - PP: -6, JIC-37, or DIN 24° Cone (10L)
- Outlet ports:
  - P: -24, JIC-37, or DIN 24° Cone (38S)
  - R: -24, JIC-37, or DIN 24° Cone (38S)
  - D: -6, JIC-37, or DIN 24° Cone (10L)
  - PP: -6, JIC-37, or DIN 24° Cone (10L)

C050-53
- Rated flow: 880 l/min
- System pressure: 280 bar
- Application: piping and HPU splitting
- Inlet ports:
  - P: 2", Code-62
  - R: 2", Code-61
  - D: -12, JIC-37
  - PP: -6, JIC-37
- Outlet ports:
  - P: 2", Code-62
  - R: 2", Code-61
  - D: -6, JIC-37
  - PP: -6, JIC-37

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Hydraulic Distribution Manifold
MSH/PDF/Rev- DEC 2019, CDL 59574

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