Manifolds

Parallel & Series
- D03, D05, D08

Cover Plates
- D03, D05, D08

Valve Adapters
- D05, D08

Subplates
- D03, D05, D08
D03 Bar Manifolds

D03 Parallel Circuit Manifold

Specifications:

- 1 thru 16 station lengths available
- Pressure Rating: Aluminum: 3000 PSI.
- Valve mounting is #10-24 UNC on NPTF and SAE manifolds.
- P & T: 1/2" NPTF or -10 SAE.
- A & B: 3/8" NPTF or -8 SAE.
- Gauge port is included on NPTF and SAE two station and longer manifolds. It is 1/4" NPTF or -6 SAE.
- Mounting kit includes 2 steel mounting brackets, eight 0.31-18 hex head screws, and 8 washers. Gauge port plug included if applicable.

Options Available:

- Relief valve cavities may be machined for Compact Controls, Delta, Fluid Controls, Hydraforce, Modular Controls, Parker, or Sun valves.
- Manifolds may be machined with isolations in the P and/or T ports.
- A two-station sandwich module is available that connects the A and B ports respectively of the two stations. Consult MP Filtri for part number and pricing.
- High Flow and Ductile Iron manifolds available

<table>
<thead>
<tr>
<th>No. of Stations</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;A&quot; Length (2&quot; spa)</td>
<td>2.13</td>
<td>4.25</td>
<td>6.38</td>
<td>8.50</td>
<td>10.63</td>
<td>12.75</td>
<td>14.88</td>
<td>17.00</td>
</tr>
<tr>
<td>Weight in lb. 2&quot;</td>
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<td>4</td>
<td>6</td>
<td>8</td>
<td>9</td>
<td>11</td>
<td>12</td>
<td>14</td>
</tr>
<tr>
<td>Weight in lb. 4&quot;</td>
<td>--</td>
<td>6</td>
<td>9</td>
<td>12</td>
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<td>19</td>
<td>22</td>
<td>25</td>
</tr>
</tbody>
</table>

- 9-16 station manifolds are non-stock. Consult MP Filtri for delivery.

---

Options Available:

- Relief valve cavities may be machined for Compact Controls, Delta, Fluid Controls, Hydraforce, Modular Controls, Parker, or Sun valves.
- Manifolds may be machined with isolations in the P and/or T ports.
- A two-station sandwich module is available that connects the A and B ports respectively of the two stations. Consult MP Filtri for part number and pricing.
- High Flow and Ductile Iron manifolds available

---

9-16 station manifolds are non-stock. Consult MP Filtri for delivery.
### Ordering Information

#### D03 Parallel Circuit Manifolds

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 6061-T6 Aluminum</td>
<td>/C Relief Cavity Common Cavity</td>
</tr>
<tr>
<td></td>
<td>/S Relief Cavity Sun Cavity</td>
</tr>
<tr>
<td></td>
<td>/P* Pressure Isolation PA...PF avail. 2.13” PA...PJ avail. 4.00”</td>
</tr>
<tr>
<td></td>
<td>/T* Tank Isolation TA...TF avail. 2.13” TA...TJ avail. 4.00”</td>
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### SERIES

<table>
<thead>
<tr>
<th>SERIES</th>
<th>MANIFOLD CIRCUIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>D03</td>
<td>Parallel</td>
</tr>
</tbody>
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### MANIFOLD CIRCUIT

<table>
<thead>
<tr>
<th>PORT THREADS</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
</tr>
<tr>
<td>S</td>
</tr>
</tbody>
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### NUMBER OF STATIONS

<table>
<thead>
<tr>
<th>NUMBER OF STATIONS</th>
<th>VALVE SPACING Centre to Centre</th>
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<tbody>
<tr>
<td>01...16</td>
<td>2.13”</td>
</tr>
<tr>
<td>02...08</td>
<td>4.00”</td>
</tr>
</tbody>
</table>

*Not available on 01 Station Parallel Omit if not required.

High Flow and Ductile Iron manifolds available consult MP Filtri

**Parallel Circuit**
D03 Bar Manifolds

D03 Series Circuit Manifold

Specifications:
- 2 thru 4 station lengths available
- Pressure Rating: Aluminum: 3000 PSI
- Valve mounting is #10-24 UNC on NPTF and SAE manifolds.
- P & T: 1/2” NPTF or -10 SAE.
- A & B: 3/8” NPTF or -8 SAE.
- Gauge port is included on NPTF and SAE manifolds. It is 0.25-18 NPTF or -6 SAE.
- Mounting kit includes 2 steel mounting brackets, eight 0.31-18 hex head screws, and 8 washers.
  Gauge port plug included if applicable.

Options Available:
- Relief valve cavities may be machined for Compact Controls, Delta, Fluid Controls, Hydraforce, Modular Controls, Parker, or Sun valves.
- A two-station adaptor is available that connects the A and B ports respectively of the two stations.
- Consult MP Filtri for part number and pricing.
- High Flow and Ductile Iron manifolds available

<table>
<thead>
<tr>
<th>No. of Stations</th>
<th>02</th>
<th>03</th>
<th>04</th>
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<tbody>
<tr>
<td>&quot;A&quot; Length (2&quot; spa)</td>
<td>4.25</td>
<td>6.38</td>
<td>8.50</td>
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<td>Weight in lb. 2&quot;</td>
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</tr>
<tr>
<td>&quot;A&quot; Length (4&quot; spa)</td>
<td>6.13</td>
<td>10.13</td>
<td>14.13</td>
</tr>
<tr>
<td>Weight in lb. 4&quot;</td>
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<td>9</td>
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# Ordering Information

## D03 Series Circuit Manifolds

### MATERIAL

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<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>A</td>
<td>6061-T6 Aluminum</td>
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### SERIES

<table>
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<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>D03</td>
<td>NFPA D03 Valve pattern</td>
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### MANIFOLD CIRCUIT

<table>
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<th>Description</th>
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<tr>
<td>S</td>
<td>Series</td>
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### NUMBER OF STATIONS

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<th>Code</th>
<th>Description</th>
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<tr>
<td>02...04</td>
<td>Available with spacing code 4</td>
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### OPTIONS

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<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>/C</td>
<td>Relief Cavity Common Cavity</td>
</tr>
<tr>
<td>/S</td>
<td>Relief Cavity Sun Cavity</td>
</tr>
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</table>

Omit if not required.

### PORT THREADS

<table>
<thead>
<tr>
<th>Code</th>
<th>Threads</th>
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<tbody>
<tr>
<td>P</td>
<td>NPTF 1/2&quot; NPTF P&amp;T</td>
</tr>
<tr>
<td></td>
<td>3/8&quot; NPTF A&amp;B</td>
</tr>
<tr>
<td></td>
<td>1/4&quot; NPTF GA</td>
</tr>
<tr>
<td>S</td>
<td>SAE</td>
</tr>
<tr>
<td></td>
<td>SAE -10 P&amp;T</td>
</tr>
<tr>
<td></td>
<td>SAE -8 A&amp;B</td>
</tr>
<tr>
<td></td>
<td>SAE -6 GA</td>
</tr>
</tbody>
</table>

### VALVE SPACING

<table>
<thead>
<tr>
<th>Code</th>
<th>Spacing</th>
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</thead>
<tbody>
<tr>
<td>2</td>
<td>2.13&quot;</td>
</tr>
<tr>
<td>4</td>
<td>4.00&quot;</td>
</tr>
</tbody>
</table>

---

**Series Circuit**

High Flow and Ductile Iron manifolds available consult MP Filtri
D05 Bar Manifolds

D05 Parallel Circuit Manifold

Specifications:

◆ 1 thru 21 station lengths available
◆ Pressure Rating: Aluminum: 3000 PSI
◆ Valve mounting is 0.25-20 UNC on NPTF and SAE manifolds.
◆ P & T: 3/4” NPTF or -12 SAE.
◆ A & B: 1/2” NPTF or -8 SAE.
◆ Gauge port is included on NPTF and SAE two station and longer manifolds. It is 1/4” NPTF or -6 SAE.
◆ Mounting kit includes 2 steel mounting brackets, eight 5/16-18 hex head screws, and 8 washers. Gauge port plug included if applicable.

Options Available:

◆ Relief valve cavities may be machined for Compact Controls, Delta, Fluid Controls, Hydraforce, Modular Controls, Parker, or Sun valves.
◆ Manifolds may be machined with isolations in the P and/or T ports.
◆ A two-station sandwich module is available that connects the A and B ports respectively of the two stations. Consult MP Filtri for part number and pricing.
◆ High Flow and Ductile Iron manifolds available

<table>
<thead>
<tr>
<th>No. of Stations</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
<th>09</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;A&quot; Length (3” spa)</td>
<td>3.25</td>
<td>6.50</td>
<td>9.75</td>
<td>13.00</td>
<td>16.25</td>
<td>19.50</td>
<td>22.75</td>
<td>26.00</td>
<td>--</td>
<td>--</td>
<td>--</td>
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<tr>
<td>Weight in lb. 3”</td>
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<tr>
<td>Weight in lb. 5”</td>
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<td>60</td>
<td>65</td>
<td>71</td>
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</tbody>
</table>

◆ 8-21 station manifolds are non-stock. Consult MP Filtri for delivery.
Ordering Information
D05 Parallel Circuit Manifolds

**MATERIAL**
- A: 6061-T6 Aluminum

**SERIES**
- D05: NFPA D05 Valve pattern

**MANIFOLD CIRCUIT**
- P: Parallel

**NUMBER OF STATIONS**
- 01...21: Available with spacing code 3
- 02...14: Available with spacing code 5

High Flow and Ductile Iron manifolds available consult MP Filtri

**OPTIONS**
- /C: Relief Cavity
- /S: Sun Cavity
- /P*: Pressure Isolation PA...PJ avail. 3.25” PA...PF avail. 5.00”
- /T*: Tank Isolation TA...TJ avail. 3.25” TA...TF avail. 5.00”

*Not available on 01 Station Parallel Omit if not required.

**PORT THREADS**
- P: NPTF 3/4” NPTF P&T 1/2” NPTF A&B 1/4” NPTF GA
- S: SAE SAE -12 P&T SAE -8 A&B SAE -6 GA

**VALVE SPACING**
- Centre to Centre
  - 3: 3.25”
  - 5: 5.00”
D05 Bar Manifolds

D05 Series Circuit Manifold

Specifications:

- 2 thru 4 station lengths available
- Pressure Rating: Aluminum: 3000 PSI
- Valve mounting is 0.25-20 UNC on NPTF and SAE manifolds.
- P & T: 3/4" NPTF or -12 SAE.
- A & B: 1-4" NPTF or -8 SAE.
- Gauge port is included on NPTF and SAE two station and longer manifolds. It is 1/2" NPTF or -6 SAE.
- Mounting kit includes 2 steel mounting brackets, eight 5/16-18 hex head screws, and 8 washers. Gauge port plug included if applicable.

Options Available:

- A two-station adaptor is available that connects the A and B ports respectively of the two stations. Consult MP Filtri for part number & pricing.
- High Flow and Ductile Iron manifolds available

<table>
<thead>
<tr>
<th>No. of Stations</th>
<th>02</th>
<th>03</th>
<th>04</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;A&quot; Length (3&quot; spa)</td>
<td>6.50</td>
<td>9.75</td>
<td>13.00</td>
</tr>
<tr>
<td>Weight in lb. 3&quot;</td>
<td>8</td>
<td>11</td>
<td>14</td>
</tr>
<tr>
<td>&quot;A&quot; Length (5&quot; spa)</td>
<td>8.25</td>
<td>13.25</td>
<td>18.25</td>
</tr>
<tr>
<td>Weight in lb. 5&quot;</td>
<td>9</td>
<td>15</td>
<td>20</td>
</tr>
</tbody>
</table>

- 04 stations are non-stock. Consult MP Filtri for delivery.
Ordering Information
D05 Series Circuit Manifolds

MATERIAL
A 6061-T6 Aluminum

SERIES
D05 NFPA D05 Valve pattern

MANIFOLD CIRCUIT
S Series

NUMBER OF STATIONS
02...04 Available with spacing code 5

OPTIONS
/C Relief Cavity Common Cavity
/S Relief Cavity Sun Cavity
Available in two stations only
Omit if not required.

PORT THREADS
P NPTF 3/4" NPTF P&T
1/2" NPTF A&B
1/4" NPTF GA
S SAE
SAE -12 P&T
SAE -8 A&B
SAE -6 GA

VALVE SPACING
Centre to Centre
3 3.25"
5 5.00"

Series Circuit

High Flow and Ductile Iron manifolds available consult MP Filtri
D08 Bar Manifolds

D08 Parallel Circuit Manifold

Specifications:

- 1 thru 7 station lengths available
- Pressure Rating: Aluminum: 3000 PSI
- Valve mounting is 0.50-13 UNC on NPTF and SAE manifolds.
- P, A&B: 1” NPTF or -16 SAE.
- T: 1-1/4” NPTF or -20 SAE.
- Y: 3/8” NPTF or -6 SAE.
- Gauge port is included on NPTF and SAE two station and longer manifolds. It is 1/4” NPTF or -6 SAE.
- Mounting kit includes 2 steel mounting brackets, 8 hex head screws, and 8 washers. Gauge port plug included if applicable.

Options Available:

- Relief valve cavities may be machined for Compact Controls, Delta, Fluid Controls, Hydraforce, Modular Controls, Parker, or Sun valves.
- Manifolds may be machined with isolations in the P and/or T ports. X Ports may be machined into standard manifold.
- A two-station sandwich module is available that connects the A and B ports respectively of the two stations. Consult MP Filtri for part number and pricing.
- High Flow and Ductile Iron manifolds available

**Important Note:**

**X & Y Data:**
The Y port is standard. The X port is not included unless ordered as an option.

<table>
<thead>
<tr>
<th>No. of Stations</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;A&quot; Length (5&quot; spa)</td>
<td>5.25</td>
<td>10.50</td>
<td>15.75</td>
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<td>31.50</td>
<td>36.75</td>
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<td>Weight in lb. 5&quot;</td>
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<td>89</td>
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<tr>
<td>&quot;A&quot; Length (7&quot; spa)</td>
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<td>19.25</td>
<td>26.25</td>
<td>33.25</td>
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<td>--</td>
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<tr>
<td>Weight in lb. 7&quot;</td>
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<td>28</td>
<td>44</td>
<td>64</td>
<td>74</td>
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</tr>
</tbody>
</table>
Ordering Information
D08 Parallel Circuit Manifolds

**MATERIAL**
- **A** 6061-T6 Aluminum

**SERIES**
- **D08** NFPA D08 Valve pattern

**MANIFOLD CIRCUIT**
- **P** Parallel

**NUMBER OF STATIONS**
- **01...07** Available with spacing code 3
- **02...05** Available with spacing code 5

High Flow and Ductile Iron manifolds available consult MP Filtri

**PORT THREADS**
- **P**
  - NPTF
  - 1" NPTF P,A,B
  - 1-1/4" NPTF T
  - 3/8" NPTF Y
  - 1/4" NPTF X&GA

- **S**
  - SAE
  - SAE -16 P,A,B
  - SAE -20 T
  - SAE -8 Y
  - SAE -4 X
  - SAE -6GA

**OPTIONS**
- **/C** Relief Cavity Common Cavity
- **/S** Relief Cavity Sun Cavity
- **/P** Pressure Isolation PA...PG avail. 5.25"
  PA...PD avail. 7.00"
- **/T** Tank Isolation TA...TF avail. 5.25"
  TA...TD avail. 7.00"

* Not available on 01 Station Parallel Omit if not required.

**VALVE SPACING**
- **Centre to Centre**
  - **5** 5.25"
  - **7** 7.00"
D08 Bar Manifolds

D08 Series Circuit Manifold

Specifications:

- 2 thru 3 station lengths available
- Pressure Rating: Aluminum: 3000 PSI
- Valve mounting is 0.50-13 UNC on NPTF and SAE manifolds.
- P, A&B: 1” NPTF or -16 SAE.
- T: 1-1/4” NPTF or -20 SAE.
- X&Y: 3/8” NPTF or -6 SAE.
- Gauge port is included on NPTF and SAE two station and longer manifolds. It is 1/4” NPTF or -6 SAE.
- Mounting kit includes 2 steel mounting brackets, eight 5/16”-18 hex head screws, and 8 washers. Gauge port plug included if applicable.

- High Flow and Ductile Iron manifolds available consult MP Filtri

<table>
<thead>
<tr>
<th>No. of Stations</th>
<th>02</th>
<th>03</th>
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<tbody>
<tr>
<td>&quot;A&quot; Length (5&quot; spa)</td>
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<tr>
<td>Weight in lb.</td>
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<tr>
<td>&quot;A&quot; Length (7&quot; spa)</td>
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<td>19.25</td>
</tr>
<tr>
<td>Weight in lb.</td>
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<td>63</td>
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International Directional Valve Interface Size Cross Reference:
- NFPA (USA): Old size: D06
  New size: D08
- ISO-4401: Size: 08
- CETOP-R35H: Size: 8
- NG: Size: 25
Ordering Information
D08 Series Circuit Manifolds

**MATERIAL**

- A 6061-T6 Aluminum

**SERIES**

- D08 NFPA D08 Valve pattern

**MANIFOLD CIRCUIT**

- S Series

**NUMBER OF STATIONS**

<table>
<thead>
<tr>
<th>02...03</th>
<th>Available with spacing code 5</th>
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</thead>
<tbody>
<tr>
<td>02...03</td>
<td>Available with spacing code 7</td>
</tr>
</tbody>
</table>

**PORT THREADS**

- **P**
  - NPTF 1" NPTF P,A,B
  - 1-1/4" NPTF T
  - 3/8" NPTF Y
  - 1/4" NPTF X&GA

- **S**
  - SAE
  - SAE -16 P,A,B
  - SAE -20 T
  - SAE -8 Y
  - SAE -4 X
  - SAE -6GA

**VALVE SPACING**

- Centre to Centre
  - 5 5.25"
  - 7 7.00"

Series Circuit

High Flow and Ductile Iron manifolds available consult MP Filtri
D03 Cover Plates

◆ **D03 Parallel Circuit Cover Plate**
   Pressure Rating: Aluminum: 3000 PSI
   Four #10-24 x 0.88 long cap screws, one spring pin, and four viton "O"-rings are included.

◆ **D03 Parallel Circuit Cover Plate With Gauge Port**
   Pressure Rating: Aluminum: 3000 PSI
   Four #10-24 x 0.88 long cap screws, one spring pin, one pipe plug and four viton "O"-rings are included.

◆ **D03 Series Circuit Cover Plate**
   Pressure Rating: Aluminum: 3000 PSI
   Four #10-24 x 0.88 long cap screws, one spring pin, and four viton "O"-rings are included.

◆ **D03 Crossover Circuit Cover Plate**
   Pressure Rating: Aluminum: 3000 PSI
   Four #10-24 x 0.88 long cap screws, one spring pin, and four viton "O"-rings are included.

---

**Ordering Information D03 Cover Plates**

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>PLATE TYPE</th>
<th>GAUGE PORT</th>
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</thead>
<tbody>
<tr>
<td>A 6061-T6 Aluminum</td>
<td>CPP</td>
<td>G* 1/4&quot; NPTF</td>
</tr>
</tbody>
</table>

* Available with parallel circuit only. Omit if not required.
**D05 Cover Plates**

◆ **D05 Parallel Circuit Cover Plate**
  Pressure Rating: Aluminum: 3000 PSI
  Four 1/4"-20 x 0.75 long cap screws, and five viton "O"-rings are included.

◆ **D05 Parallel Circuit Cover Plate With Gauge Port**
  Pressure Rating: Aluminum: 3000 PSI
  Four 1/4"-20 x 0.75 long cap screws, one pipe plug and five viton "O"-rings are included.

◆ **D05 Series Circuit Cover Plate**
  Pressure Rating: Aluminum: 3000 PSI
  Four 1/4"-20 x 1.25 long cap screws, and five viton "O"-rings are included.

◆ **D05 Crossover Circuit Cover Plate**
  Pressure Rating: Aluminum: 3000 PSI
  Four 1/4"-20 x 1.50 long cap screws, and five viton "O"-rings are included.

---

**Ordering Information D05 Cover Plates**

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>PLATE TYPE</th>
<th>GAUGE PORT</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 6061-T6 Aluminum</td>
<td>CPP Parallel Circuit</td>
<td>G* 1/4&quot;-18 NPTF</td>
</tr>
<tr>
<td></td>
<td>CPS Series circuit</td>
<td>* Available with parallel circuit only. Omit if not required</td>
</tr>
<tr>
<td></td>
<td>COP Crossover Circuit Cover Plate (P to A, B to T)</td>
<td></td>
</tr>
</tbody>
</table>

**International Directional Valve Interface Size Cross Reference:**
- **NFPA (USA):** Old size: D02, New size: D05
- **ISO-4401:** Size: 05
- **CETOP-R35H:** Size: 5
- **NG:** Size: 10

---

**CPP**

---

**CPS**

---

**COP**

---

**G***
**D08 Cover Plates**

- **D08 Parallel Circuit Cover Plate**
  Pressure Rating: Aluminum: 3000 PSI
  Six 1/2"-13 x 1.50 long cap screws, two spring pins, and six viton "O"-rings are included.

- **D08 Parallel Circuit Cover Plate With Gauge Port**
  Pressure Rating: Aluminum: 3000 PSI
  Six 1/2"-13 x 1.50 long cap screws, two spring pins, one pipe plug and six viton "O"-rings are included.

- **D08 Series Circuit Cover Plate**
  Pressure Rating: Aluminum: 3000 PSI
  Six 1/2"-13 x 2.25 long cap screws, two spring pins, and six viton "O"-rings are included.

- **D08 Crossover Circuit Cover Plate**
  Pressure Rating: Aluminum: 3000 PSI
  Six 1/2"-13 x 2.50 long cap screws, two spring pins, and five viton "O"-rings are included.

---

**Ordering Information D08 Cover Plates**

<table>
<thead>
<tr>
<th>A</th>
<th>DO8</th>
<th>CPP</th>
<th>G*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MATERIAL</strong></td>
<td><strong>PLATE TYPE</strong></td>
<td><strong>GAUGE PORT</strong></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>CPP</td>
<td>Parallel Circuit</td>
<td>G*</td>
</tr>
<tr>
<td>6061-T6 Aluminum</td>
<td>CPS</td>
<td>Series circuit</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COP</td>
<td>Crossover Circuit Cover Plate (P to A, B to T)</td>
<td></td>
</tr>
<tr>
<td>D08</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NFPA D08 Valve pattern</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Available with parallel circuit only.
  Omit if not required
D05 Valve Adaptors

Adapt D03 Valve to D05 Manifold - AB Oriented

- Pressure Rating: Aluminum: 3000 PSI
- Valve Mounting: UNC #10-20 x 0.50 DP.
- Five 014 viton "O"-rings, 4 UNC 1/4"-20 x 1-1/4" long SHCS mounting screws are included.
- This adaptor permits the installation of a D03 valve on a D05 manifold. This adaptor properly orients the A&B ports on the manifold to the respective valve solenoids.

Adapt D03 Valve to D05 Manifold - BA Oriented

- Pressure Rating: Aluminum: 3000 PSI
- Valve Mounting: UNC #10-24 x 0.44 DP.
- Five 014 viton "O"-rings, 4 UNC 1/4"-20 x 3/4" long SHCS mounting screws are included.
- This adaptor permits the installation of a D03 valve on a D05 manifold. This adaptor, while low in cost, does not orient the A&B ports on the manifold to the respective valve solenoids.

Ordering Information D05 Valve Adaptors

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>MANIFOLD PATTERN</th>
<th>PORT ORIENTATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 6061-T6 Aluminum</td>
<td>D05 D05 Manifold pattern</td>
<td>AB Av common to Am Bv common to Bm</td>
</tr>
<tr>
<td>BA</td>
<td></td>
<td>BA Bv common to Am Av common to Bm</td>
</tr>
</tbody>
</table>

VALVE PATTERN
D03 D03 Valve pattern
D08 Valve Adaptors

Adapt D03 Valve to D08 Manifold

- Pressure Rating: Aluminum: 3000 PSI
- Six 1/2"-13 x 1.50 long cap screws, two spring pins, and six viton "O"-rings are included.

Adapt D05 Valve to D08 Manifold

- Pressure Rating: Aluminum: 3000 PSI
- Six 1/2"-13 x 1.50 long cap screws, two spring pins, and six viton "O"-rings are included.

Ordering Information D08 Valve Adaptors

<table>
<thead>
<tr>
<th>A</th>
<th>D05</th>
<th>D08</th>
<th>VA</th>
<th>AB</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATERIAL</td>
<td>MANIFOLD PATTERN</td>
<td>PORT ORIENTATION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>D05</td>
<td>D05 Manifold pattern</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6061-T6 Aluminum</td>
<td>AB</td>
<td>Av common to Am By common to Bm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

International Directional Valve Interface Size Cross Reference:

- NFPA (USA): Old size:D06 New size:D08
- ISO-4401: Size: 08
- CETOP-R35H: Size: 8
- NG: Size: 25
D03 Subplates

D03 Side & Back Ported Subplates

- Pressure Rating: Aluminum: 3000 PSI
- Two 1/4"-20 x 0.88 long cap screws are included.
- Valve mounting is #10-24 UNC on NPTF & SAE subplates.

### Side Ported:

<table>
<thead>
<tr>
<th>Series</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>D03 SP S 4P</td>
<td>1.00</td>
<td>2.50</td>
<td>1.31</td>
<td>1.25</td>
<td>0.50</td>
<td>0.25</td>
<td>2.25</td>
</tr>
<tr>
<td>D03 SP S 6*</td>
<td>1.00</td>
<td>2.50</td>
<td>1.31</td>
<td>1.25</td>
<td>0.50</td>
<td>0.25</td>
<td>2.25</td>
</tr>
<tr>
<td>D03 SP S 8*</td>
<td>1.50</td>
<td>3.50</td>
<td>1.81</td>
<td>1.78</td>
<td>0.75</td>
<td>0.25</td>
<td>3.25</td>
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</table>

### Back Ported:

<table>
<thead>
<tr>
<th>Series</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>D03 SP B 4P</td>
<td>1.00</td>
<td>2.50</td>
<td>1.31</td>
<td>0.88</td>
<td>0.25</td>
<td>2.25</td>
</tr>
<tr>
<td>D03 SP B 6*</td>
<td>1.00</td>
<td>2.50</td>
<td>1.31</td>
<td>0.88</td>
<td>0.25</td>
<td>2.25</td>
</tr>
<tr>
<td>D03 SP B 8*</td>
<td>1.50</td>
<td>3.50</td>
<td>1.81</td>
<td>1.38</td>
<td>0.25</td>
<td>3.25</td>
</tr>
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</table>

### Ordering Information D03 Subplates

<table>
<thead>
<tr>
<th>A</th>
<th>DO3</th>
<th>SP</th>
<th>S</th>
<th>4P</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MATERIAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>6061-T6 Aluminum</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SERIES</strong></td>
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<tr>
<td>D03</td>
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<tr>
<td><strong>PLATE TYPE</strong></td>
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<tr>
<td>SP</td>
<td>Subplate</td>
<td></td>
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<td><strong>PORT LOCATION</strong></td>
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<td><strong>PORT THREADS</strong></td>
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<td>4P</td>
<td>1/4&quot; NPTF</td>
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<tr>
<td>6P</td>
<td>3/8&quot; NPTF</td>
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<td></td>
</tr>
<tr>
<td>6S</td>
<td>-6 SAE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8P</td>
<td>1/2&quot; NPTF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8S</td>
<td>-8 SAE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
D03 Dual Ported Subplate

Specifications:
- Pressure Rating: Aluminum: 3000 PSI
- Two 1/4”-20 x 1.50 long cap screws are included.
- Valve mounting is #10-24 UNC on NPTF & SAE subplates.
- Pressure and tank connections may be brought in either the side or back. Two plugs are included to block unused ports.
- The back-located pressure and tank ports are machined to allow plugs to be installed flush.

Ordering Information D03 Dual Ported Subplate

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>PORT THREAD</th>
<th>VALVE PATTERN</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 6061-T6 Aluminum</td>
<td>6P 3/8” NPTF 6S -6 SAE</td>
<td>D03 NFPA D03 Valve Pattern</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VALVE PATTERN</th>
<th>VALVE PATTERN</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP Subplate</td>
<td>SB Side P,A,B,T ports Back P&amp;T</td>
</tr>
</tbody>
</table>
D03 Dual Ported Subplate With Relief Cavity

- The 'common' cavity is machined to specs. for the following manufacturers' cavities:
  - Compact Controls: CP10-2
  - Delta: 8500-1000
  - Fluid Controls: SC-316
  - Hydraforce: VC-10-2
  - Modular Controls: C-10-2
  - Parker: C-10-2
  - Sun relief valves are available but must be ordered separately.

Sun relief valves are available but must be ordered separately.
The Sun cavity is machined to specs. for cavity T-10A
Pressure flows into the nose of the cavity. Tank flow is out the side.

Ordering Information
D03 Dual Ported Subplate With Relief Cavity

<table>
<thead>
<tr>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
</tr>
<tr>
<td>6061-T6 Aluminum</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>VALVE PATTERN</th>
</tr>
</thead>
<tbody>
<tr>
<td>D03</td>
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<tr>
<td>NFPA D03 Valve Pattern</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>VALVE PATTERN</th>
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</thead>
<tbody>
<tr>
<td>SP</td>
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<tr>
<td>Subplate</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>PORTING</th>
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</thead>
<tbody>
<tr>
<td>RV</td>
</tr>
<tr>
<td>Dual ported with relief cavity</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PORT THREAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>6P</td>
</tr>
<tr>
<td>3/8&quot; NPTF</td>
</tr>
<tr>
<td>6S</td>
</tr>
<tr>
<td>-6 SAE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RELIEF VALVE CAVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
</tr>
<tr>
<td>Common cavity</td>
</tr>
<tr>
<td>S</td>
</tr>
<tr>
<td>Sun T-10A cavity</td>
</tr>
</tbody>
</table>
D05 Subplates

D05 Side & Back Ported Subplates

- Pressure Rating: Aluminum: 3000 PSI
- Two 3/8"-16 x 1.25 long cap screws are included.
- Valve mounting is 1/4"-20 UNC on NPTF & SAE subplates.

Ordering Information D05 Subplates

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>PLATE TYPE</th>
<th>PORT THREADS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>6061-T6 Aluminum</td>
<td>6P</td>
</tr>
<tr>
<td>D05</td>
<td>Subplate</td>
<td>3/8&quot; NPTF</td>
</tr>
<tr>
<td>SP</td>
<td>Side Ported</td>
<td>8P</td>
</tr>
<tr>
<td>S</td>
<td>Back Ported</td>
<td>1/2&quot; NPTF</td>
</tr>
<tr>
<td>8S</td>
<td></td>
<td>-8 SAE</td>
</tr>
</tbody>
</table>

International Directional Valve Interface Size Cross Reference:
NFPA (USA): Old size: D02, New size: D05
ISO-4401: Size: 05
CETOP-R35H: Size: 5
NG: Size: 10
D05 Subplates

D05 Dual Ported Subplate

Specifications:
- Pressure Rating: Aluminum: 3000 PSI
- Two 3/8”-16 x 1.50 long cap screws are included.
- Valve mounting is 1/4”-20 UNC on NPTF & SAE subplates.
- Pressure and tank connections may be brought in either the side or back. Two plugs are included to block unused ports.
- The back-located pressure and tank ports are machined to allow plugs to be installed flush.

Ordering Information D05 Dual Ported Subplate

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>PORT THREAD</th>
<th>VALVE PATTERN</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 6061-T6 Aluminum</td>
<td>8P 1/2” NPTF</td>
<td>D05 NFPA D05 Valve Pattern</td>
</tr>
<tr>
<td>SP Subplate</td>
<td>8S -8 SAE</td>
<td>SB Dual ported</td>
</tr>
</tbody>
</table>

International Directional Valve Interface Size Cross Reference:
- NFPA (USA): Old size:D02, New size:D05
- ISO-4401: Size: 05
- CETOP-R35H: Size: 5
- NG: Size: 10
D05 Dual Ported Subplate With Relief Cavity

- The 'common' cavity is machined to specs. for the following manufacturers’ cavities:
  Compact Controls: CP10-2
  Delta: 8500-1000
  Fluid Controls: SC-316
  Hydraforce: VC-10-2
  Modular Controls: C-10-2
  Parker: C-10-2
  Sun relief valves are available but must be ordered separately.
  The Sun cavity is machined to specs. for cavity T-10A
  Pressure flows into the nose of the cavity. Tank flow is out the side.

Ordering Information
D05 Dual Ported Subplate With Relief Cavity

- MATERIAL
  A  6061-T6 Aluminum

- VALVE PATTERN
  D05  NFPA D05 Valve Pattern

- VALVE PATTERN
  SP  Subplate

- RELEIF VALVE CAVITY
  C  Common cavity
  S  Sun T-10A cavity

- PORT THREAD
  8P  1/2”-14 NPTF
  8S  -8 SAE

- PORTING
  RV  Dual ported with relief cavity
D08 Subplates

D08 Side Ported Subplate

- Pressure Rating:
  Aluminum: 3000 PSI
- Two 1/2"-13 x 1.75 long cap screws are included.
- Valve mounting is 1/2"-13UNC on NPTF & SAE subplates.

![Diagram of D08 Side Ported Subplate]

Ordering Information D08 Side Ported Subplate

| Series   | A  | B  | C  | D  | E  | F  | G  | H  | I  | J  | K  | L  | M  | N  | O  | P  |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| D08SPSO16* | 2.00 | 6.13 | 4.50 | 1.19 | 2.53 | 4.53 | 1.00 | 1.00 | 0.50 | 3.53 | 5.62 | 2.25 | 3.38 | 1.59 | 3.59 | 4.94 |
| D08SPSO20* | 3.00 | 6.50 | 5.00 | 1.31 | 2.33 | 4.77 | 1.13 | 2.38 | 0.50 | 3.72 | 6.00 | 2.50 | 3.63 | 1.73 | 4.17 | 5.19 |

- **MATERIAL**
  - A: 6061-T6 Aluminum

- **VALVE PATTERN**
  - D08: NFPA D08 Valve Pattern

- **PLATE TYPE**
  - SP: Subplate

- **PORT LOCATION**
  - S: Side Ported

- **PORT THREAD**
  - 12P: 3/4" NPTF P.T.A,B
  - 16P: 1" NPTF P.T.A,B
  - 16S: 1/4" NPTF X & Y
  - 20P: 1-1/4" NPTF P.T.A,B
  - 20S: 1-1/4" NPTF X & Y

- **VALVE PATTERN**
  - O: Side Tank Port
D08 Back Ported Subplate

- Pressure Rating:
  Aluminum: 3000 PSI,

- Two 1/2"-13 x 1.50 long cap screws are included.

Ordering Information D08 Back Ported Subplate

| Series | A  | B  | C  | D  | E  | F  | G  | H  | I  | J  | K  | L  | M  | N  | O  | P  | Q  | R  | S  | T  | U  |
|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| D08SPB16* | 1.50 | 6.13 | 4.63 | 0.50 | 3.53 | 5.62 | 2.31 | 3.44 | -- | 1.19 | 1.19 | 3.44 | 3.44 | 1.66 | 4.94 | 1.19 | 2.59 | 3.53 | 4.71 | 1.25 | 3.38 |
| D08SPB20* | 2.00 | 7.63 | 5.00 | 0.38 | 4.28 | 7.25 | 0.38 | 3.63 | 4.63 | 1.44 | 1.75 | 3.25 | 3.56 | 1.84 | 6.00 | 1.63 | 3.31 | 4.31 | 5.78 | 1.44 | 3.56 |

MATERIAL
- A: 6061-T6 Aluminum

VALVE PATTERN
- D08: NFPA D08 Valve Pattern

PORT THREAD
- 12P: 3/4" NPTF PT.A.B
- 16P: 1" NPTF PT.A.B
- 16S: 1-1/4" NPTF PT.A.B
- 20P: -20SAE
- 20S: -6 SAE X & Y

PORT LOCATION
- B: Back Ported

International Directional Valve Interface Size Cross Reference:
- NFPA (USA): Old size:D06, New size:D08
- ISO-4401: Size: 08
- CETOP-R35H: Size: 8
- NG: Size: 25
D08 Side Ported Subplate With Back Tank Port

- Pressure Rating:
  - Aluminum: 3000 PSI,
  - Ductile Iron: 5000 PSI
- Two 1/2"-13 x 1.75 long socket head cap screws are included
  The tank port is always 1" NPTF.
- This subplate with ports other than NPTF or SAE is a custom product

Ordering Information
D08 Side Ported Subplate With Back Tank Port

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>PORT THREAD</th>
<th>PORT LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 6061-T6 Aluminum</td>
<td>1&quot; NPTF PT.A,B</td>
<td>T Back Tank Port always 1&quot; NPTF</td>
</tr>
<tr>
<td>D08 NFPA D08 Valve Pattern</td>
<td>1/4&quot; NPTF X &amp; Y</td>
<td></td>
</tr>
<tr>
<td>SP Subplate</td>
<td>-16 SAE PT.A,B</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-6 SAE X &amp; Y</td>
<td></td>
</tr>
</tbody>
</table>
The 'common' cavity is machined to specs. for the following manufacturers' cavities:
- Compact Controls: CP10-2
- Delta: 8500-1000
- Fluid Controls: SC-316
- Hydraforce: VC-10-2
- Modular Controls: C-10-2
- Parker: C-10-2

Sun relief valves are available but must be ordered separately.

The Sun cavity is machined to specs. for cavity T-3A

Pressure flows into the nose of the cavity. Tank flow is out the side.

### Ordering Information

**D08 Dual Ported Subplate With Relief Cavity**

**MATERIAL**
- **A**: 6061-T6 Aluminum

**VALVE PATTERN**
- **D08**: NFPA D08 Valve Pattern

**PLATE TYPE**
- **SP**: Subplate

**PORT THREAD**
- **16P**: 1” NPTF Pt.A,B
- **16S**: 1/4” NPTF X & Y

**RELIEF VALVE CAVITY**
- **C**: Common cavity
- **S**: Sun T-3A cavity

**CIRCUIT**
- **RV**: Dual ported with relief cavity