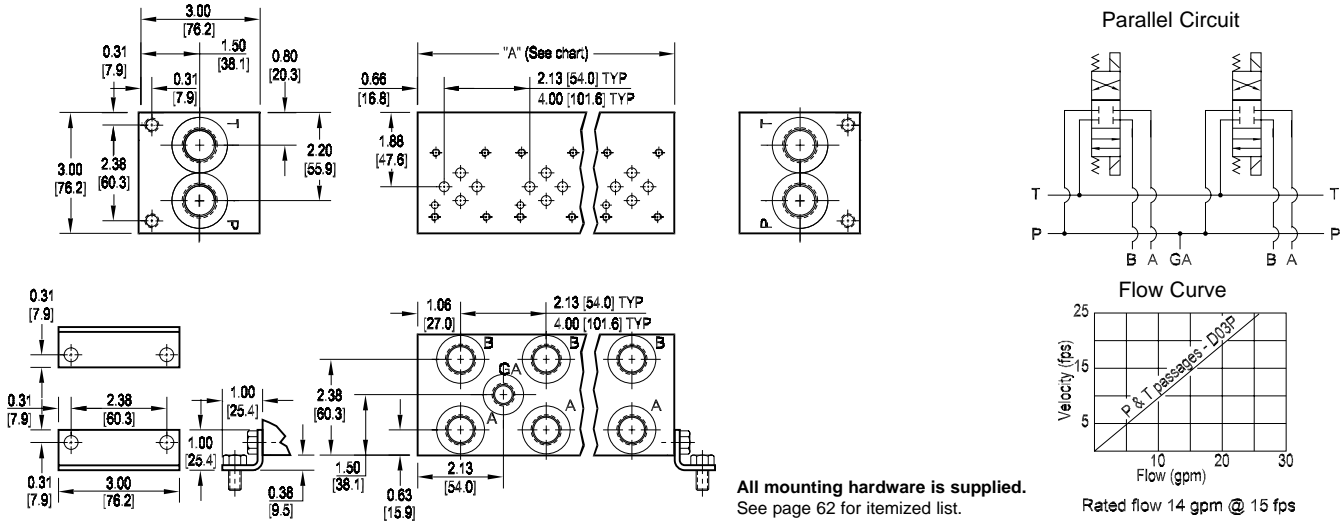


D03 Standard Flow Parallel Circuit Manifold



| No. of stations | * 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---------------------------------------|-------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| "A" length (code 2 spa.) inch [mm] | 2.13 [54.0] | 4.25 [108.0] | 6.38 [162.1] | 8.50 [215.9] | 10.63 [270.0] | 12.75 [323.9] | 14.88 [378.0] | 17.00 [431.8] | 19.13 [485.9] | 21.25 [539.8] | 23.38 [593.9] | 25.50 [647.7] | 27.63 [701.8] | 29.75 [755.7] | 31.88 [809.8] | 34.00 [853.6] |
| apx. weight alum lb [kg] | 3 [1] | 4 [2] | 6 [3] | 8 [4] | 9 [4] | 11 [5] | 12 [5] | 14 [6] | 16 [7] | 18 [8] | 20 [9] | 21 [10] | 22 [10] | 24 [11] | 26 [12] | 27 [12] |
| apx. weight iron lb [kg] | 5 [2] | 9 [4] | 13 [6] | 17 [8] | 21 [10] | 26 [12] | 30 [14] | 34 [15] | 38 [17] | 42 [19] | 47 [21] | 51 [23] | 55 [25] | 59 [27] | 63 [29] | 68 [31] |
| "A" length (code 4 spa.) inch [mm] | -- | 6.13 [155.7] | 10.13 [257.3] | 14.13 [358.9] | 18.13 [460.5] | 22.13 [562.1] | 26.13 [663.7] | 30.13 [765.3] | | | | | | | | |
| apx. weight alum lb [kg] | -- | 6 [3] | 9 [4] | 12 [5] | 15 [7] | 19 [9] | 22 [10] | 25 [11] | | | | | | | | |
| apx. weight iron lb [kg] | -- | 12 [5] | 20 [9] | 28 [13] | 36 [16] | 45 [20] | 53 [24] | 57 [26] | | | | | | | | |

| Port code | Valve mtg. | Manifold mtg. |
|-----------|---------------------------|------------------------------|
| P, S | #10-24 UNC x 0.63 [16] DP | 0.31-18 UNC x 0.44 [11.1] DP |
| B, M, T | M5 ISO 6H x 0.63 [16] DP | M8 ISO 6H x 0.44 [11.1] DP |

* Length of 01 station with relief cavity is 3.00 [76.2]. Gauge port not available on 01 station.

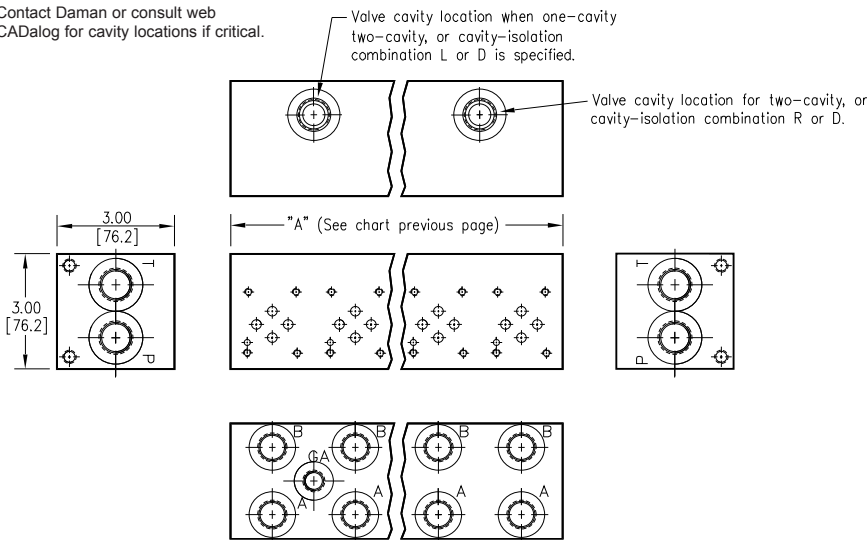
Specifications, descriptions, and dimensional data are subject to correction or change without notice or incurring obligation. Download latest catalog page revisions at www.damanifolds.com.

Ordering Information

| Material | Valve Pattern | Circuit | No. of Stations | Valve Spacing | Port Threads | Options | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---------|-----------------|--|--------------|--|---|---------------|--|------------|---|--|---------|--|----------|-----------------------------------|---|-----------------|--|----------|--|----------------|-------------------------------|----------------|-------------------------------|--------------|--|----------------|-------------------------------|----------------|-------------------------------|--|---------------|--|----------|----------------------|----------|-----------------------|---|--------------|--|--|--|---|-------|-------|----|----------|---------------------|------|------|------|----------|-----------------|-----|----|----|----------|-----------------|------|------|------|----------|----------------|-----|-----|------|----------|--------------|------|------|------|---|---------|--|---|--|
| <table border="1"> <thead> <tr> <th colspan="2">Material</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Aluminum - 6061-T6 3000† psi • 20.7 MPa</td> </tr> <tr> <td>D</td> <td>Ductile Iron - D4512 5000† psi • 34.5 MPa</td> </tr> </tbody> </table> <p>† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.</p> | Material | | A | Aluminum - 6061-T6 3000† psi • 20.7 MPa | D | Ductile Iron - D4512 5000† psi • 34.5 MPa | <table border="1"> <thead> <tr> <th colspan="2">Valve Pattern</th> </tr> </thead> <tbody> <tr> <td>D03</td> <td>ISO 4401-03-02 NFPA T3.5.1-D03 See Tech Information</td> </tr> </tbody> </table> | Valve Pattern | | D03 | ISO 4401-03-02 NFPA T3.5.1-D03 See Tech Information | <table border="1"> <thead> <tr> <th colspan="2">Circuit</th> </tr> </thead> <tbody> <tr> <td>P</td> <td>Parallel Circuit Standard Flow</td> </tr> </tbody> </table> | Circuit | | P | Parallel Circuit Standard Flow | <table border="1"> <thead> <tr> <th colspan="2">No. of Stations</th> </tr> </thead> <tbody> <tr> <td colspan="2">Aluminum</td> </tr> <tr> <td>01...16</td> <td>Available with spacing code 2</td> </tr> <tr> <td>02...08</td> <td>Available with spacing code 4</td> </tr> <tr> <td colspan="2">Ductile Iron</td> </tr> <tr> <td>01...16</td> <td>Available with spacing code 2</td> </tr> <tr> <td>02...08</td> <td>Available with spacing code 4</td> </tr> </tbody> </table> | No. of Stations | | Aluminum | | 01...16 | Available with spacing code 2 | 02...08 | Available with spacing code 4 | Ductile Iron | | 01...16 | Available with spacing code 2 | 02...08 | Available with spacing code 4 | <table border="1"> <thead> <tr> <th colspan="2">Valve Spacing</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>2.13 inch 54.0 mm</td> </tr> <tr> <td>4</td> <td>4.00 inch 101.6 mm</td> </tr> </tbody> </table> | Valve Spacing | | 2 | 2.13 inch 54.0 mm | 4 | 4.00 inch 101.6 mm | <table border="1"> <thead> <tr> <th colspan="4">Port Threads</th> </tr> </thead> <tbody> <tr> <th>P</th> <th>P & T</th> <th>A & B</th> <th>GA</th> </tr> <tr> <td>P</td> <td>NPTF • ANSI B1.20.3</td> <td>0.50</td> <td>0.38</td> <td>0.25</td> </tr> <tr> <td>S</td> <td>SAE • ISO 11926</td> <td>-10</td> <td>-8</td> <td>-6</td> </tr> <tr> <td>B</td> <td>BSPP • ISO 1179</td> <td>0.50</td> <td>0.38</td> <td>none</td> </tr> <tr> <td>M</td> <td>ISO • ISO 6149</td> <td>M22</td> <td>M18</td> <td>none</td> </tr> <tr> <td>T</td> <td>BSPT • ISO 7</td> <td>0.50</td> <td>0.38</td> <td>none</td> </tr> </tbody> </table> | Port Threads | | | | P | P & T | A & B | GA | P | NPTF • ANSI B1.20.3 | 0.50 | 0.38 | 0.25 | S | SAE • ISO 11926 | -10 | -8 | -6 | B | BSPP • ISO 1179 | 0.50 | 0.38 | none | M | ISO • ISO 6149 | M22 | M18 | none | T | BSPT • ISO 7 | 0.50 | 0.38 | none | <table border="1"> <thead> <tr> <th colspan="2">Options</th> </tr> </thead> <tbody> <tr> <td colspan="2">See next page for available options and ordering codes.</td> </tr> </tbody> </table> | Options | | See next page for available options and ordering codes. | |
| Material | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | Aluminum - 6061-T6 3000† psi • 20.7 MPa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | Ductile Iron - D4512 5000† psi • 34.5 MPa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valve Pattern | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D03 | ISO 4401-03-02 NFPA T3.5.1-D03 See Tech Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P | Parallel Circuit Standard Flow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. of Stations | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01...16 | Available with spacing code 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02...08 | Available with spacing code 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ductile Iron | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01...16 | Available with spacing code 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02...08 | Available with spacing code 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valve Spacing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 2.13 inch 54.0 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 4.00 inch 101.6 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Port Threads | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P | P & T | A & B | GA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P | NPTF • ANSI B1.20.3 | 0.50 | 0.38 | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S | SAE • ISO 11926 | -10 | -8 | -6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | BSPP • ISO 1179 | 0.50 | 0.38 | none | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | ISO • ISO 6149 | M22 | M18 | none | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T | BSPT • ISO 7 | 0.50 | 0.38 | none | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Options | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| See next page for available options and ordering codes. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Options - D03 Standard Flow Parallel Manifold

Contact Daman or consult web CADalog for cavity locations if critical.

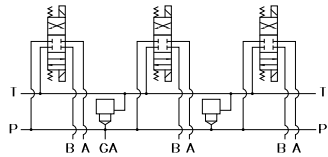


ISOLATIONS

Daman isolation options allow a manifold to have two independent pressure and/or tank ports. Isolations are drilled rather than plugged to ensure a leakproof and failproof isolation.

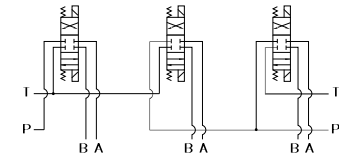
| Ordering code letter: | * Isolation is between stations: | Available # of stations: |
|-----------------------|----------------------------------|--------------------------|
| 2.125 [54.0] spacing | | |
| A | 01 & 02 | 02-10 |
| B | 02 & 03 | 03-11 |
| C | 03 & 04 | 04-12 |
| D | 04 & 05 | 05-13 |
| E | 05 & 06 | 06-14 |
| F | 06 & 07 | 07-15 |
| G | 07 & 08 | 08-16 |
| H | 08 & 09 | 09-16 |
| J | 09 & 10 | 10-16 |
| 4.00 [101.6] spacing | | |
| A | 01 & 02 | 02-08 |
| B | 02 & 03 | 03-08 |
| C | 03 & 04 | 04-08 |
| D | 04 & 05 | 05-08 |
| E | 05 & 06 | 06-08 |
| F | 06 & 07 | 07-08 |
| G | 07 & 08 | 08 |

Parallel Circuit with one or two Cavities



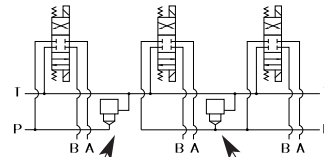
Valves with P in the nose and T out the side must be used.

Parallel Circuit with Isolations



Manifold shown with P isolation between 1 & 2 (PA), and T isolation between 2 & 3 (TB).

Cavity & Isolation Combinations



Option code L Cavity left of isolation
Option code R Cavity right of isolation
Option code D includes both cavities

* Stations are numbered left to right.

NOTES:

- 1) The GA port is not available on a (1) station manifold.
- 2) The GA port is not available when a pressure isolation is located between stations 1 & 2.
- 3) Some cavity and isolation combinations are not possible with spacing code 2. Consult factory to determine availability.

Ordering Information

| | | | | |
|-----|---------------|---------------------------|-----------------------|--|
| ... | Cavity | Pressure Isolation | Tank Isolation | Cavity & Isolation Combinations |
|-----|---------------|---------------------------|-----------------------|--|

| Cavity | |
|-------------------------------|--|
| Omit if cavities not required | |
| C | One Common cavity: No solenoid clearance. C-10-2 (P in nose) |
| CC | Two Common cavities: With solenoid clearance C-10-2 (P in nose) Available 03-16 stations with spacing code 2; Available 02-08 stations with spacing code 4. Not available in combination with isolation options. |
| S | One Sun Cavity: T-10A (P in nose) See Tech Info for valves. |

| Pressure Isolation | |
|----------------------------------|----------------------------------|
| Omit if P isolation not required | |
| PA...PJ | Available with spacing code 2 |
| PA...PG | Available with spacing code 4 |

| Tank Isolation | |
|----------------------------------|----------------------------------|
| Omit if T isolation not required | |
| TA...TJ | Available with spacing code 2 |
| TA...TG | Available with spacing code 4 |

| Cavity & Isolation Combinations | |
|--|--|
| Specify when using a combination of cavity and isolation options. Cavities do not have solenoid clearance. | |
| L | Cavity is located left of the isolation. |
| R | Cavity is located right of the isolation. |
| D | Two cavities, one each side of isolation. (Use with cavity option codes C or S only.) |