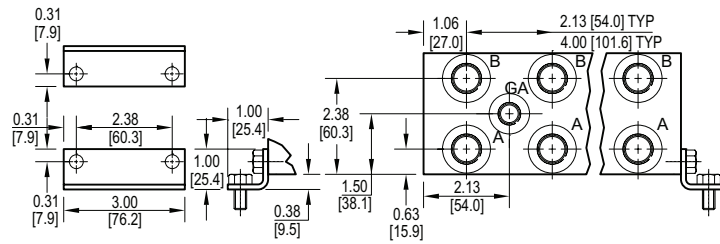
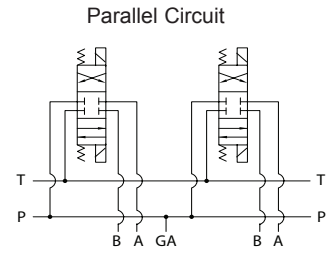
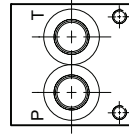
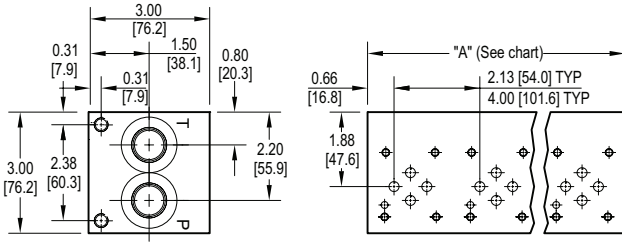
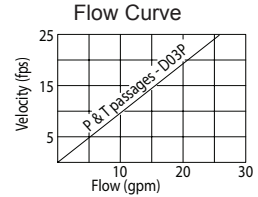


D03 Standard Flow Parallel Circuit Manifold



All mounting hardware is supplied, except for stainless. See page 64 for itemized list.



Rated flow 14 gpm @ 15 fps

No. of stations	* 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
"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 [863.6]	36.13 [917.6]	38.25 [971.6]	40.38 [1025.5]	42.50 [1079.5]
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]	29 [13]	31 [14]	32 [15]	34 [15]
apx. weight ferrous 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]	34.13 [866.9]	38.13 [968.5]	42.13 [1070.1]	46.13 [1171.7]	50.13 [1273.3]	54.13 [1374.9]	58.13 [1476.5]	62.13 [1578.1]	Specifications, descriptions, and dimensional data are subject to correction or change without notice or incurring obligation. Download latest catalog page revisions at www.daman.com .			
apx. weight alum lb [kg]	--	6 [3]	9 [4]	12 [5]	15 [7]	19 [9]	22 [10]	25 [11]	29 [13]	32 [15]	36 [16]	39 [18]	42 [19]	46 [21]	49 [22]	53 [24]				
apx. weight ferrous lb [kg]	--	12 [5]	20 [9]	28 [13]	36 [16]	45 [20]	53 [24]	61 [28]	69 [31]	77 [35]	85 [39]	93 [42]	102 [46]	110 [50]	118 [54]	126 [57]				

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

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

For **coating options** see pages 245-246.

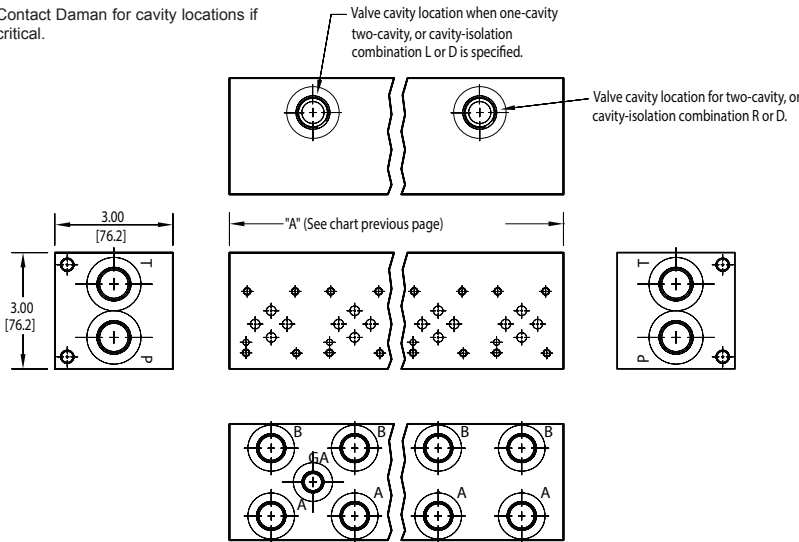
Ordering Information

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> <tr> <td>S*</td> <td>Stainless Steel - 17-4 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> <p>*All stainless steel products are passivated.</p>	Material		A	Aluminum - 6061-T6 3000 [†] psi • 20.7 MPa	D	Ductile Iron - D4512 5000 [†] psi • 34.5 MPa	S*	Stainless Steel - 17-4 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...20</td> <td>Available with spacing code 2</td> </tr> <tr> <td>02...16</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...16</td> <td>Available with spacing code 4</td> </tr> <tr> <td colspan="2">Stainless Steel</td> </tr> <tr> <td>01...09</td> <td>Available with spacing code 2</td> </tr> <tr> <td>02...05</td> <td>Available with spacing code 4</td> </tr> </tbody> </table>	No. of Stations		Aluminum		01...20	Available with spacing code 2	02...16	Available with spacing code 4	Ductile Iron		01...16	Available with spacing code 2	02...16	Available with spacing code 4	Stainless Steel		01...09	Available with spacing code 2	02...05	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> <td>P*</td> <td>NPTF • ANSI B1.20.3</td> <td>0.50</td> <td>0.38</td> </tr> <tr> <td>S</td> <td>SAE • ISO 11926</td> <td>-10</td> <td>-8</td> </tr> <tr> <td>B</td> <td>BSPP • ISO 1179</td> <td>0.50</td> <td>0.38</td> </tr> <tr> <td>M</td> <td>ISO • ISO 6149</td> <td>M22</td> <td>M18</td> </tr> <tr> <td>T*</td> <td>BSPT • ISO 7</td> <td>0.50</td> <td>0.38</td> </tr> </tbody> </table>	Port Threads				P*	NPTF • ANSI B1.20.3	0.50	0.38	S	SAE • ISO 11926	-10	-8	B	BSPP • ISO 1179	0.50	0.38	M	ISO • ISO 6149	M22	M18	T*	BSPT • ISO 7	0.50	0.38	<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																																																																											
S*	Stainless Steel - 17-4 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...20	Available with spacing code 2																																																																											
02...16	Available with spacing code 4																																																																											
Ductile Iron																																																																												
01...16	Available with spacing code 2																																																																											
02...16	Available with spacing code 4																																																																											
Stainless Steel																																																																												
01...09	Available with spacing code 2																																																																											
02...05	Available with spacing code 4																																																																											
Valve Spacing																																																																												
2	2.13 inch 54.0 mm																																																																											
4	4.00 inch 101.6 mm																																																																											
Port Threads																																																																												
P*	NPTF • ANSI B1.20.3	0.50	0.38																																																																									
S	SAE • ISO 11926	-10	-8																																																																									
B	BSPP • ISO 1179	0.50	0.38																																																																									
M	ISO • ISO 6149	M22	M18																																																																									
T*	BSPT • ISO 7	0.50	0.38																																																																									
Options																																																																												
See next page for available options and ordering codes.																																																																												

* Pipe ports in stainless can experience galling

Options - D03 Standard Flow Parallel Manifold

Contact Daman for cavity locations if critical.

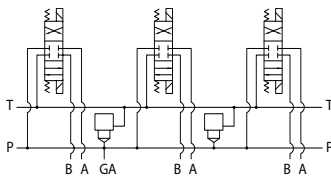


ISOLATIONS

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.

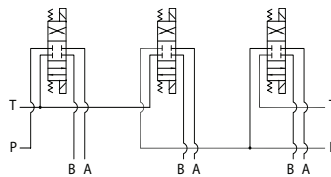
Ordering code letter:	* Isolation is between stations:	Available # of stations:
2.125 [54.0] spacing		
A	01 & 02	02-14
B	02 & 03	03-15
C	03 & 04	04-16
D	04 & 05	05-17
E	05 & 06	06-18
F	06 & 07	07-19
G	07 & 08	08-20
H	08 & 09	09-20
J	09 & 10	10-20
4.00 [101.6] spacing		
A	01 & 02	02-10
B	02 & 03	03-11
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

Parallel Circuit with one or two Cavities



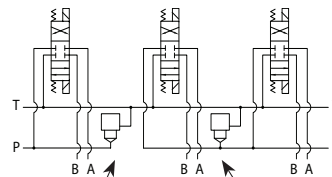
Valves with P in the nose and T out the side must be used.

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) For valves w/1" hex max.
CC	Two Common cavities: With solenoid clearance C-10-2 (P in nose) Available 03-20 stations with spacing code 2; Available 02-16 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.)