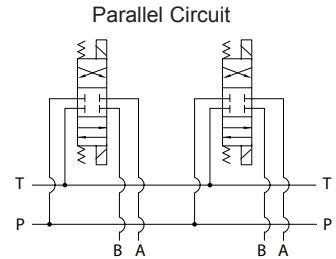
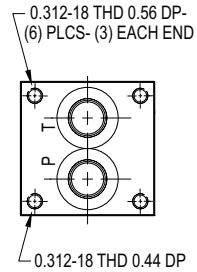
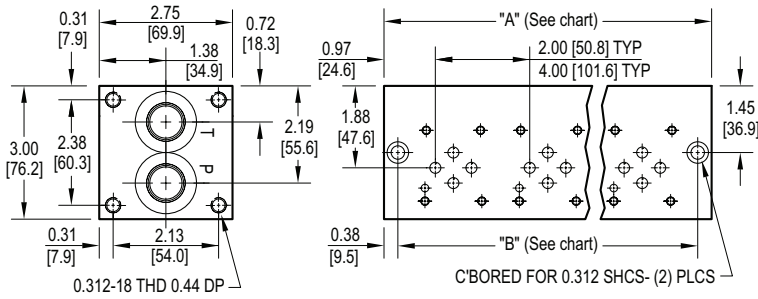
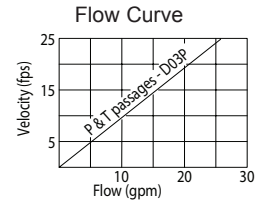
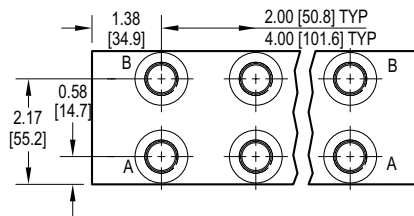


D03 FlexMount Parallel Circuit Manifold



NOTE:
Mounting hardware is sold separately.

See page 62 for available bracket, screw, flange and gasket mounting kits.



Rated flow 14 gpm @ 15 fps

Code 2 (2.00") valve spacing										
No. of stations	* 01	02	03	04	05	06	07	08	09	10
"A" length inch [mm]	2.75 [69.9]	4.75 [120.7]	6.75 [171.5]	8.75 [222.3]	10.75 [273.1]	12.75 [323.9]	14.75 [374.7]	16.75 [425.5]	18.75 [476.3]	20.75 [527.1]
"B" dimension inch [mm]	2.00 [50.8]	4.00 [101.6]	6.00 [152.4]	8.00 [203.2]	10.00 [254.0]	12.00 [304.8]	14.00 [355.6]	16.00 [406.4]	18.00 [457.2]	20.00 [508.0]
apx. weight alum lb [kg]	2.5 [1.2]	4 [2]	6 [3]	7.5 [4]	9 [4.5]	11 [5]	12 [5.5]	14 [6.5]	15.5 [7]	17 [8]
apx. weight ferrous lb [kg]	6 [3]	10.5 [5]	15 [7]	19 [9]	23 [11]	28 [13]				

Code 4 (4.00") valve spacing				
No. of stations	02	03	04	05
"A" length inch [mm]	6.75 [171.5]	10.75 [273.1]	14.75 [374.7]	18.75 [476]
"B" dimension inch [mm]	6.00 [152.4]	10.00 [254.0]	14.00 [355.6]	18.00 [457.2]
apx. weight alum lb [kg]	6 [3]	9 [4.5]	13 [6]	15 [7]
apx. weight ferrous lb [kg]	15 [8]	23 [12]	32 [15]	

* "A" length of 01 station with relief cavity is 3.75 [95.3]. "B" dimension is 3.00 [76.2].

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.

Ordering Information

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

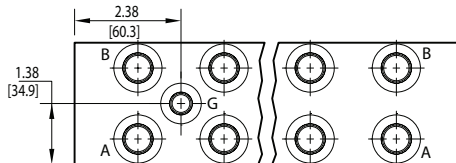
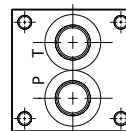
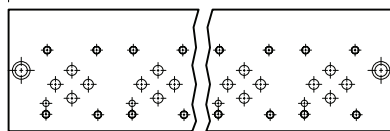
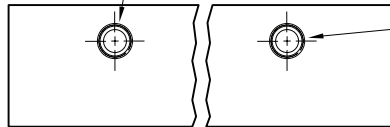
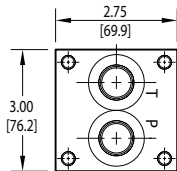
Product Line	Material	Valve Pattern	Circuit	No. of Stations	Valve Spacing	Port Threads	Options																																								
L FlexMount	<table border="1"> <tr> <th>Material</th> <td>A Aluminum - 6061-T6 3000† psi • 20.7 MPa</td> <td>D Ductile Iron - D4512 5000† psi • 34.5 MPa</td> </tr> <tr> <td>† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.</td> <td></td> <td></td> </tr> </table>	Material	A Aluminum - 6061-T6 3000† psi • 20.7 MPa	D Ductile Iron - D4512 5000† psi • 34.5 MPa	† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.			D03 ISO 4401-03-02 NFPA T3.5.1-D03 See Tech Information	P Parallel Circuit Standard Flow	<table border="1"> <tr> <th colspan="2">Aluminum</th> </tr> <tr> <td>01...10</td> <td>Available with spacing code 2</td> </tr> <tr> <td>02...05</td> <td>Available with spacing code 4</td> </tr> <tr> <th colspan="2">Ductile Iron</th> </tr> <tr> <td>01...06</td> <td>Available with spacing code 2</td> </tr> <tr> <td>02...04</td> <td>Available with spacing code 4</td> </tr> </table>	Aluminum		01...10	Available with spacing code 2	02...05	Available with spacing code 4	Ductile Iron		01...06	Available with spacing code 2	02...04	Available with spacing code 4	<table border="1"> <tr> <th colspan="2">Valve Spacing</th> </tr> <tr> <td>2</td> <td>2.00 inch [50.8 mm]</td> </tr> <tr> <td>4</td> <td>4.00 inch [101.6 mm]</td> </tr> </table>	Valve Spacing		2	2.00 inch [50.8 mm]	4	4.00 inch [101.6 mm]	<table border="1"> <tr> <th colspan="3">Port Threads</th> </tr> <tr> <th>P & T</th> <th>A & B</th> <td></td> </tr> <tr> <td>P NPTF • ANSI B1.20.3</td> <td>0.50</td> <td>0.38</td> </tr> <tr> <td>S SAE • ISO 11926</td> <td>-10</td> <td>-8</td> </tr> </table>	Port Threads			P & T	A & B		P NPTF • ANSI B1.20.3	0.50	0.38	S SAE • ISO 11926	-10	-8	<table border="1"> <tr> <th colspan="2">Options</th> </tr> <tr> <td colspan="2">See next page for available options and ordering codes.</td> </tr> </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																																													
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Options																																															
See next page for available options and ordering codes.																																															

Options - D03 FlexMount Parallel Manifold

Contact Daman for cavity locations if critical.

Valve cavity location when cavity, or cavity-isolation combination L or D is specified.

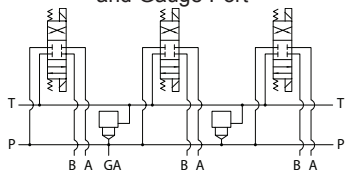
Valve cavity location for cavity-isolation combination R or D.



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:
2.00 [50.8] spacing		
A	01 & 02	02-10
B	02 & 03	03-10
C	03 & 04	04-10
D	04 & 05	05-10
E	05 & 06	06-10
F	06 & 07	07-10
G	07 & 08	08-10
H	08 & 09	09-10
J	09 & 10	10
4.00 [101.6] spacing		
A	01 & 02	02-05
B	02 & 03	03-05
C	03 & 04	04-05
D	04 & 05	05

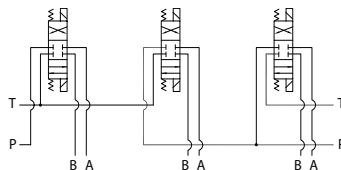
* Stations are numbered left to right.

Parallel Circuit with Cavity and Gauge Port



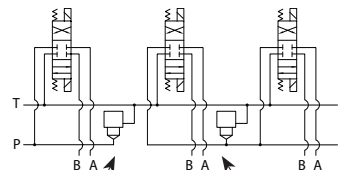
Valves with P in the nose and T out the side must be used.

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

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 specified.
- 3) Some cavity and isolation combinations are not possible. Consult factory to determine availability.

Ordering Information

...	/	Gauge Port	Cavity	Pressure Isolation	Tank Isolation	Cavity & Isolation Combinations
-----	---	-------------------	---------------	---------------------------	-----------------------	--

Gauge Port	
Omit if gauge port not required.	
G	Gauge Port for system pressure
If Port Thread code is: P, then Gauge port = 0.25 NPTF S, then Gauge port = -4 SAE	

Cavity	
Omit if cavity not required.	
C	Common cavity: No solenoid clearance C-10-2 (P in nose) For valves w/1" hex max.
S	Sun Cavity: T-10A (P in nose) See Tech Info for valves.

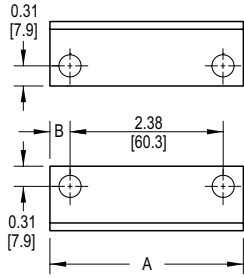
Tank Isolation	
Omit if T isolation not required.	
TA...TJ	Available with spacing code 2
TA...TD	Available with spacing code 4

Relief / Isolation Combinations	
Specify when using a combination of cavity and isolation options. Cavities do not have solenoid clearance.	
L	Relief cavity is located left of the isolation.
R	Relief cavity is located right of the isolation.
D	Two relief cavities, one each side of isolation.

Pressure Isolation	
Omit if P isolation not required. Not available with G option.	
PA...PJ	Available with spacing code 2
PA...PD	Available with spacing code 4

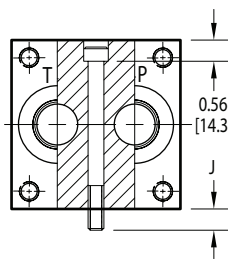
Mounting Kits for FlexMount Manifolds

Mounting Bracket



Dim	A	B	C	D	E	F	G	H	I	J	K
D03	3.00 [76.2]	0.31 [7.9]	2.75 [69.9]	1.38 [34.9]	2.13 [54.0]	0.38 [9.5]	1.47 [37.3]	1.47 [37.3]	1.33 [33.7]	0.56 [14.3]	3.25 [82.6]
D05	3.50 [88.9]	0.56 [14.3]	3.13 [79.4]	1.56 [39.7]	2.50 [63.5]	0.56 [14.3]	1.36 [34.6]	1.73 [44.0]	1.61 [41.0]	0.69 [17.5]	3.53 [89.7]

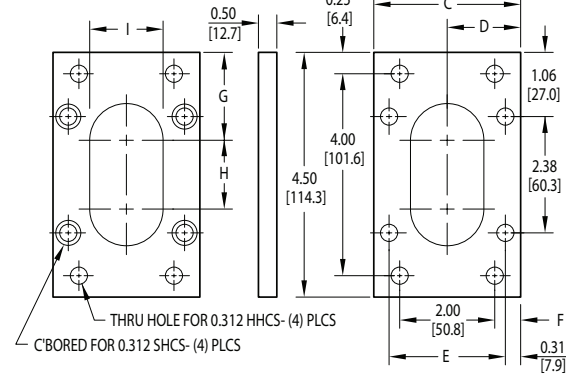
Mounting Screw



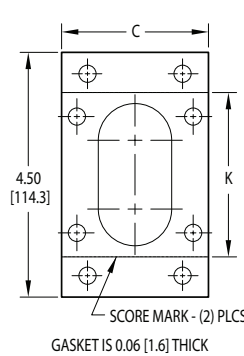
Bill of Materials

Mounting Bracket and Mounting Flange Kits	185-D03MKL	185-D03MKV	185-D05MKL	185-D05MKV
(2) zinc coated steel brackets	•	•	•	•
(1) zinc coated steel end mounting plate		•		•
(8) 0.312-18 x 0.63 long hex washer head cap screws	•	•	•	•
(1) 0.312-18 x 0.50 long socket head cap screw		•		
(3) 0.312-18 x 0.63 long socket head cap screws		•		
(4) 0.312-18 x 0.75 long socket head cap screws				•
(4) 0.312-18 x 1.00 long hex head cap screws		•		•
(4) 0.312 high collar lock washers		•		•
(1) Tank top gasket		•		•
Mounting Screw Kits	185-D03MKB2	185-D05MKB2	185-D05MKB3	
(2) 0.312-18 x 2.75 long socket head cap screws	•			
(2) 0.312-18 x 3.25 long socket head cap screws		•		
(3) 0.312-18 x 3.25 long socket head cap screws			•	

Mounting Flange



Gasket



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.

Ordering Information

