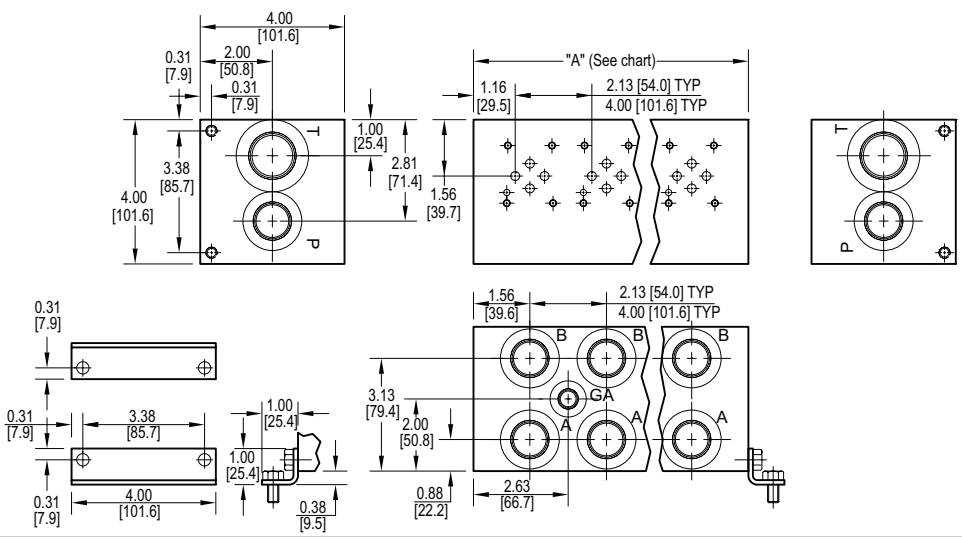
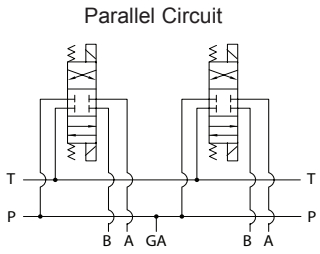
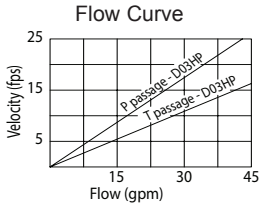
D03 High Flow Parallel Circuit Manifold







Rated flow Pressure 25 gpm @ 15 fps
Rated flow Tank 41 gpm @ 15 fps

No. of stations	* 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18
"A" length (code 2 spa.) inch [mm]	3.13 [79.5]	5.25 [133.4]	7.38 [187.5]	9.50 [241.3]	11.63 [295.4]	13.75 [349.3]	15.88 [403.4]	18.00 [457.2]	20.13 [511.3]	22.25 [565.2]	24.38 [619.1]	26.50 [673.1]	28.63 [727.1]	30.75 [781.1]	32.88 [835.0]	35.00 [889.0]	37.13 [943.1]	39.25 [997.0]
apx. weight alum lb [kg]	5 [2]	8 [4]	12 [5]	15 [7]	18 [8]	22 [10]	25 [11]	28 [13]	32 [15]	35 [16]	39 [18]	42 [19]	46 [21]	49 [22]	52 [24]	56 [25]	59 [27]	63 [29]
apx. weight ferrous lb [kg]	13 [6]	22 [10]	30 [14]	39 [18]	48 [22]	57 [26]	66 [30]	74 [34]	83 [38]	92 [42]	101 [46]	110 [50]	119 [54]	128 [58]	137 [62]	146 [66]	--	--
"A" length (code 4 spa.) inch [mm]	--	7.13 [181.1]	11.13 [282.7]	15.13 [384.5]	19.13 [485.9]	23.13 [587.5]	27.13 [689.1]	31.13 [790.7]	35.13 [892.3]	39.13 [993.9]	43.13 [1095.5]							
apx. weight alum lb [kg]	--	11 [5]	17 [8]	24 [11]	30 [14]	37 [17]	43 [20]	49 [22]	56 [25]	62 [28]	68 [31]							
apx. weight ferrous lb [kg]	--	29 [13]	46 [21]	62 [28]	79 [36]	96 [44]	112 [51]	129 [59]	146 [67]	162 [74]	--							

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

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.

* Length of 01 station with relief cavity is 4.00 [101.6]. 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

Ordering Information

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

Material	Valve Pattern	Circuit	No. of Stations	Valve Spacing	Port Threads	/	Options

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.

Valve Pattern

D03	ISO 4401-03-02 NFPA T3.5.1-D03 See Tech information

Circuit

HP	Parallel Circuit High Flow

No. of Stations

Aluminum	
01...18	Available with spacing code 2
02...11	Available with spacing code 4
Ductile Iron	
01...16	Available with spacing code 2
02...10	Available with spacing code 4

Valve Spacing

2	2.13 inch 54.0 mm
4	4.00 inch 101.6 mm

Port Threads

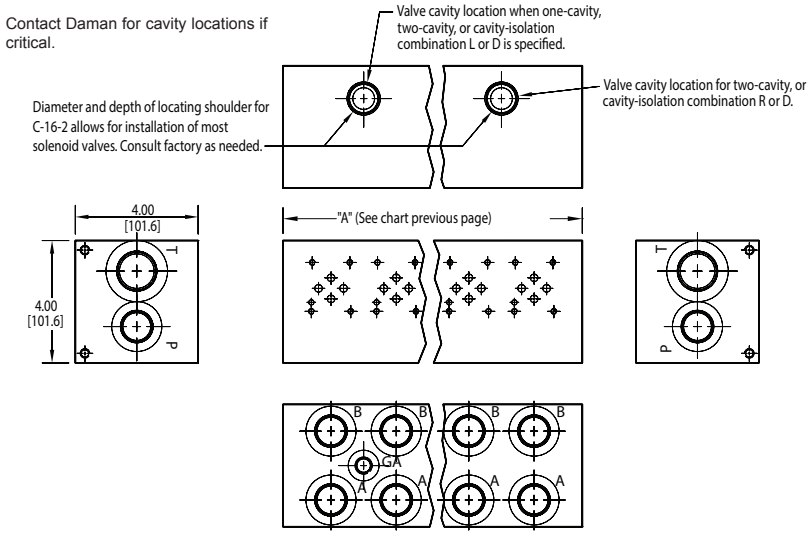
		P,A,B	T	GA
P	NPTF • ANSI B1.20.3	0.75	1.00	0.25
S	SAE • ISO 11926	-12	-16	-6
B	BSPP • ISO 1179	0.75	1.00	none
M	ISO • ISO 6149	M27	M33	none
T	BSPT • ISO 7	0.75	1.00	none

Options

See next page for available options and ordering codes.

Daman Products Company, Inc. • 1811 North Home Street • Mishawaka, IN 46545-7267
Tel: 800.959.7841 574.259.7841 • Fax: 800.241.7664 • Email: sales@daman.com • www.daman.com

Options - D03 High Flow Parallel Manifold



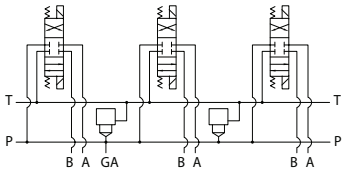
ISOLATIONS

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	07-18
G	07 & 08	08-18
H	08 & 09	09-18
J	09 & 10	10-18
4.00 [101.6] spacing		
A	01 & 02	02-10
B	02 & 03	03-11
C	03 & 04	04-11
D	04 & 05	05-11
E	05 & 06	06-11
F	06 & 07	07-11
G	07 & 08	08-11

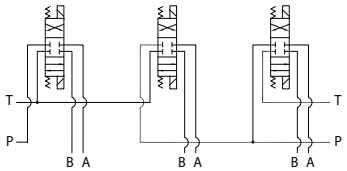
* Stations are numbered left to right.

Parallel Circuit with one or two Cavities



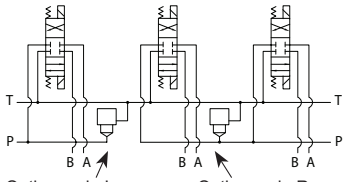
Valves with P in the nose and T out the side must be used.

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

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 availablity.

Ordering Information

... /	Cavity	Pressure Isolation	Tank Isolation	Cavity & Isolation Combinations

Cavity

Omit if cavities not required

C	One Common cavity: C-16-2 (P in nose)
CC	Two Common cavities: C-16-2 (P in nose) Available 03-18 stations with spacing code 2; Available 02-11 stations with spacing code 4. Not available in combination with isolation options.
S	One Sun Cavity: T-3A (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.)

Daman Products Company, Inc. • 1811 North Home Street • Mishawaka, IN 46545-7267
Tel: 800.959.7841 574.259.7841 • Fax: 800.241.7664 • Email: sales@daman.com • www.daman.com