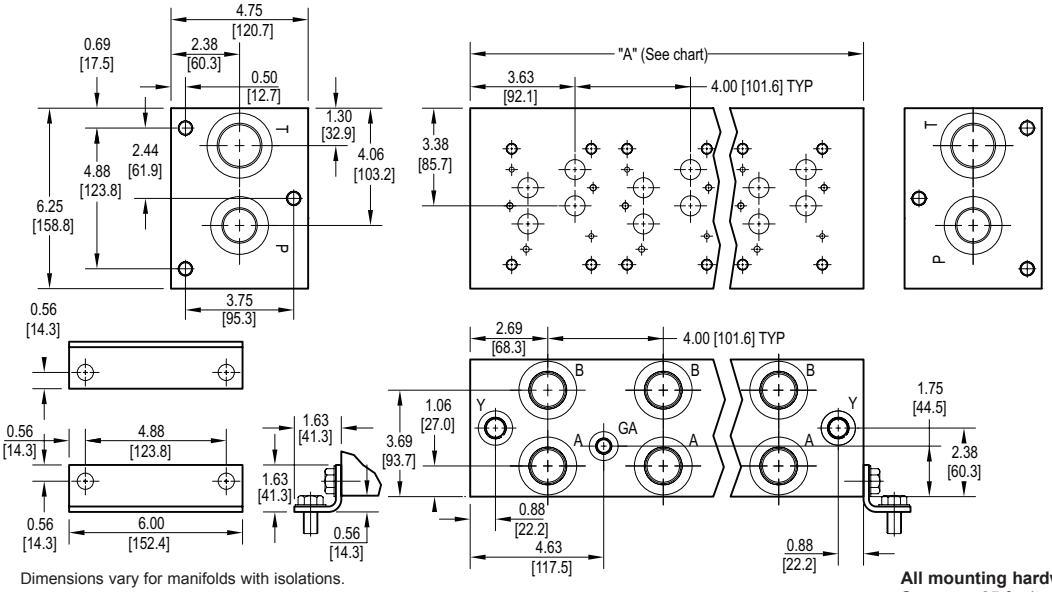
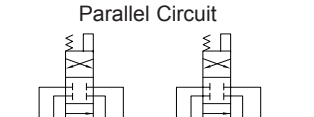
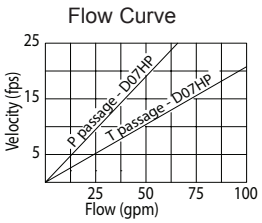
D07 High Flow Parallel Circuit Manifold



Dimensions vary for manifolds with isolations.





Rated flow Pressure 41 gpm @ 15 fps
Rated flow Tank 72 gpm @ 15 fps

All mounting hardware is supplied.
See page 65 for itemized list.

No. of stations	* 01	02	03	04	05	06	07	08
"A" length (code 4 spa.) inch [mm]	5.63 [142.9]	9.63 [244.5]	13.63 [346.1]	17.63 [447.7]	21.63 [549.3]	25.63 [650.9]	29.63 [752.5]	33.63 [854.1]
apx. weight alum lb [kg]	17 [8]	29 [13]	41 [18]	52 [24]	64 [29]	76 [35]	88 [40]	100 [45]
apx. weight ferrous lb [kg]	43 [20]	74 [34]	105 [47]	136 [62]	167 [76]	198 [90]	228 [103]	260 [118]

* Length of 01 station with Sun relief cavity 7.00 [177.8]. Length of 01 station with Common relief cavity 6.75 [171.5]. Gauge port not available on 01 station.

Port code	Valve mtg.	Manifold mtg.
P, S	0.38-16 UNC x 1.00 [25] DP 0.25-20 UNC x 0.75 [19] DP	0.50-13 UNC x 0.88 [22.3] DP
B, M, T	M10 ISO 6H x 1.00 [25] DP M6 ISO 6H x 0.75 [19] DP	M12 ISO 6H x 0.88 [22.3] DP

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.

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

D07	ISO 4401-07-06 NFPA T3.5.1-D07 See Tech information

No. of Stations

Aluminum	
01...08	Available with spacing code 4
Ductile Iron	
01...08	Available with spacing code 4

Circuit

HP	Parallel Circuit High Flow

Valve Spacing

4	4.00 inch 101.6 mm

Port Threads

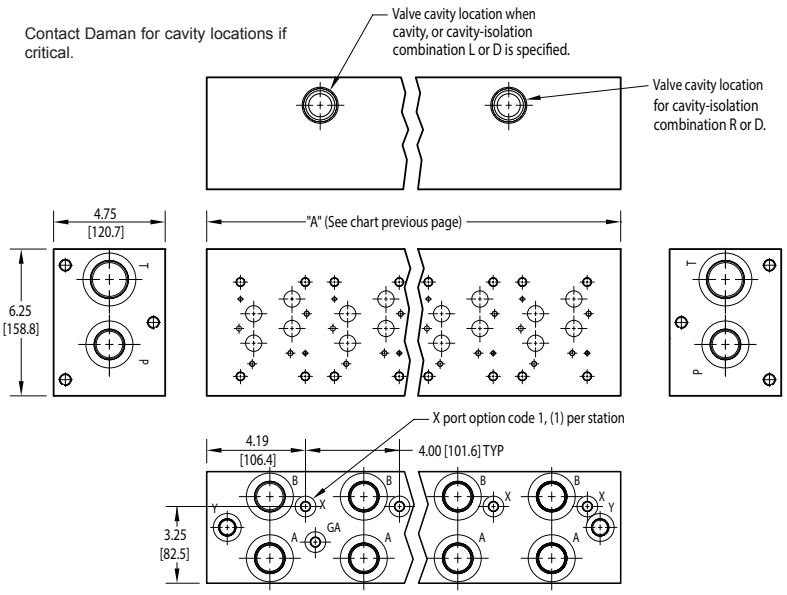
		P,A,B	T	Y	X optional	GA
P	NPTF • ANSI B1.20.3	1.00	1.25	0.50	0.25	0.25
S	SAE • ISO 11926	-16	-20	-8	-4	-6
B	BSPP • ISO 1179	1.00	1.25	0.50	0.25	none
M	ISO • ISO 6149	M33	M42	M16	M10	none
T	BSPT • ISO 7	1.00	1.25	0.50	0.25	none

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 - D07 High Flow Parallel Manifold



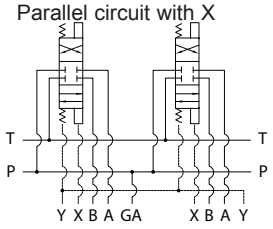
ISOLATIONS

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.

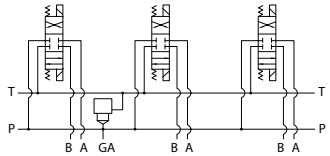
Ordering code letter:	* Isolation is between stations:	Available # of stations:
A	01 & 02	02-08
B	02 & 03	03-08
C	03 & 04	04-08
D	04 & 05	05-08
E	05 & 06	06-08
F	06 & 07	07-08
G	07 & 08	08

* Stations are numbered left to right.

Parallel circuit with X

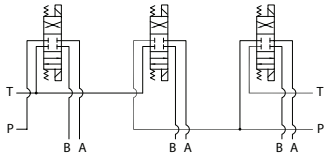


Parallel Circuit with Cavity



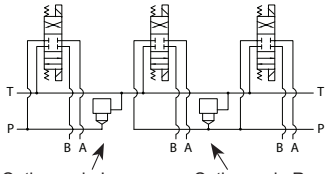
Valves with P in the nose and T out the side must be used.

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. Consult factory to determine availablity.

Ordering Information

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

Pilot Ports

Omit if X ports not required	
1	X port ISO 4401-07-06 NFPA T3.5.1-D07

Cavity

Omit if relief not required	
C	Common cavity: With solenoid clearance. C-16-2 (P in nose)
S	Sun Cavity: T-16A (P in nose) See Tech Info for valves.

Pressure Isolation

Omit if P isolation not required	
PA...PG	Available with spacing code 4

Tank Isolation

Omit if T isolation not required	
TA...TG	Available with spacing code 4

Cavity & Isolation Combinations

Specify when using a combination of cavity and isolation options. Cavities do 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.

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