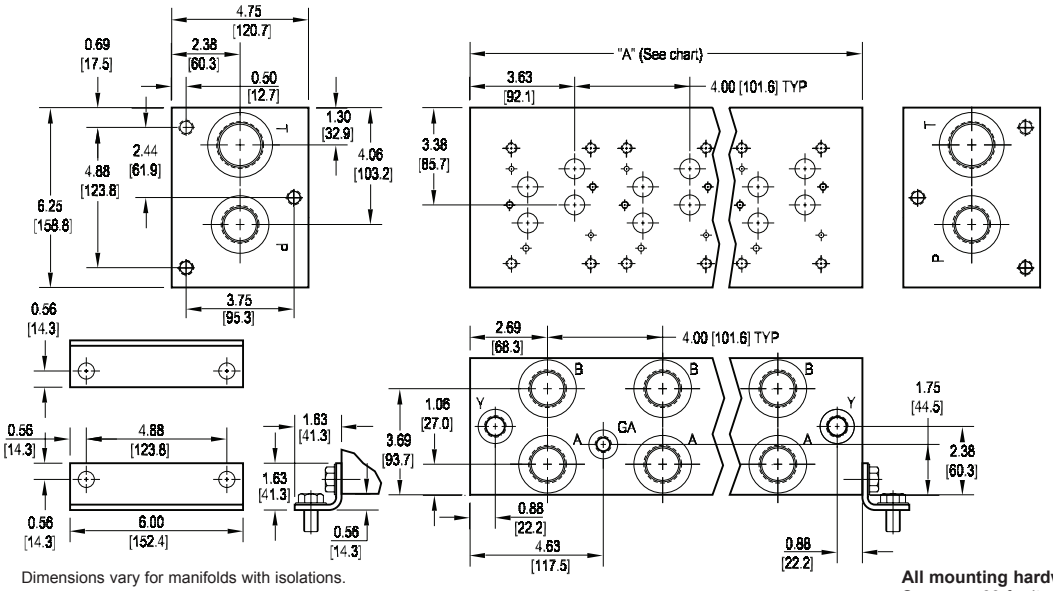
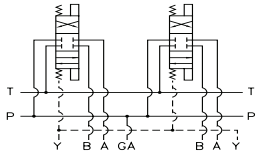
D07 High Flow Parallel Circuit Manifold

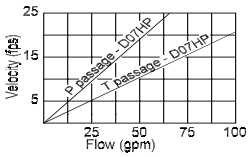


Dimensions vary for manifolds with isolations.

Parallel Circuit



Flow Curve



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

All mounting hardware is supplied.
See page 63 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 iron 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

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
N	Electroless Nickel Coated 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

Circuit

HP	Parallel Circuit High Flow

No. of Stations

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

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.

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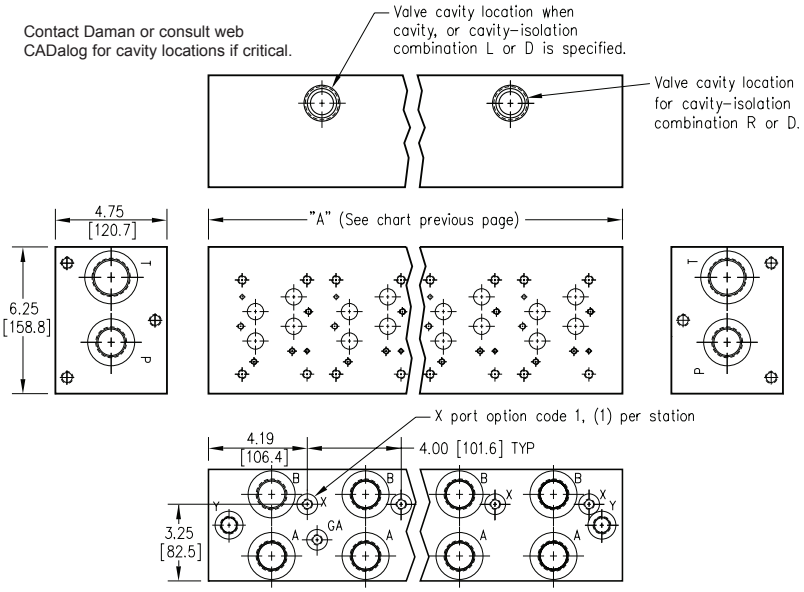
Options - D07 High Flow Parallel Manifold

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



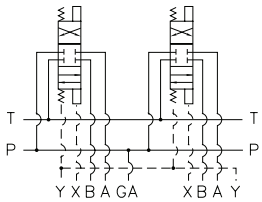
ISOLATIONS

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.

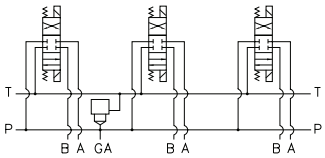
Ordering code letter:	* Isolation is between stations:	Available # of stations:
A	01 & 02	02-08
B	02 & 03	03-08
C	03 & 04	04-08
D	04 & 05	05-08
E	05 & 06	06-08
F	06 & 07	07-08
G	07 & 08	08

* Stations are numbered left to right.

Parallel circuit with X

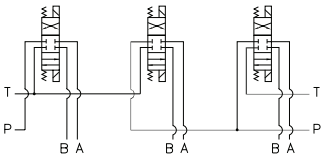


Parallel Circuit with Cavity



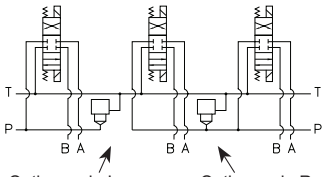
Valves with P in the nose and T out the side must be used.

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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