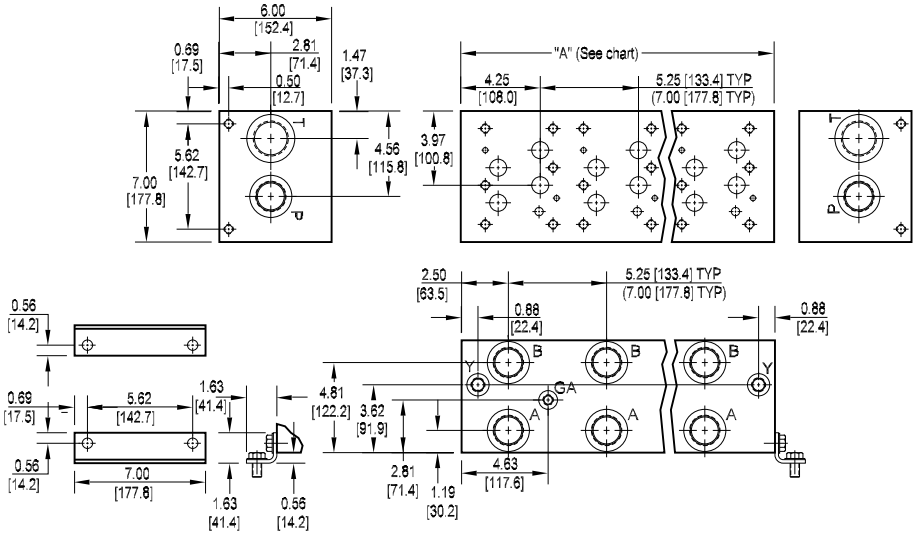
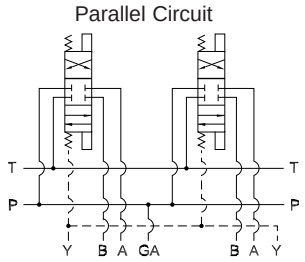
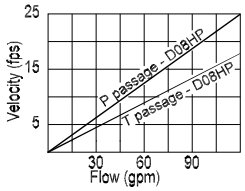
D08 High Flow Parallel Circuit Manifold



Parallel Circuit



Flow Curve



Rated flow Pressure 72 gpm @ 15 fps
Rated flow Tank 100 gpm @ 15 fps

No. of stations	01	02	03	04	05	06	07
"A" length (code 5 spa.) inch [mm]	6.25 [158.8]	11.50 [292.1]	16.75 [425.5]	22.00 [558.8]	27.25 [692.2]	32.50 [825.5]	37.75 [958.9]
apx. weight alum lb [kg]	26 [12]	48 [22]	70 [32]	92 [42]	114 [52]	136 [62]	158 [72]
apx. weight iron lb [kg]	69 [31]	126 [57]	183 [83]	240 [109]	--	--	--
"A" length (code 7 spa.) inch [mm]	--	13.25 [336.6]	20.25 [514.4]	27.25 [692.2]	34.25 [870.0]		
apx. weight alum lb [kg]	--	55 [25]	85 [39]	114 [52]	143 [65]		
apx. weight iron lb [kg]	--	145 [66]	221 [100]	--	--		

All mounting hardware is supplied.
See page 36 for itemized list.

Port code	Valve mtg.	Manifold mtg.
P, S	0.50-13 UNC x 1.19 [30] DP	0.50-13 UNC x 0.88 [22.3] DP
B, M, T	M12 ISO 6H x 1.19 [30] 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.

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

Valve Pattern

D08	ISO 4401-08-07 NFPA T3.5.1-D08 See section 9

Circuit

HP	Parallel Circuit High Flow

No. of Stations

Aluminum	
01...07	Available with spacing code 5
02...05	Available with spacing code 7
Ductile Iron	
01...04	Available with spacing code 5
02...03	Available with spacing code 7

Valve Spacing

5	5.25 inch 133.4 mm
7	7.00 inch 177.8 mm

Options

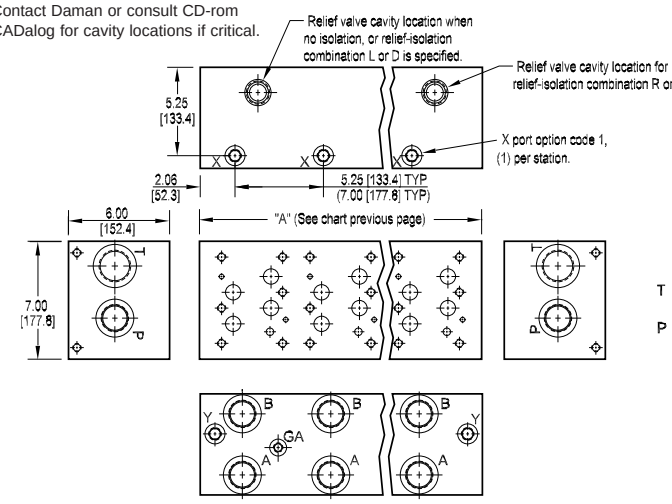
See next page for available options and ordering codes.

Port Threads		P,A,B	T	Y	X optional	GA
P	NPTF • ANSI B1.20.3	1.25	1.50	0.50	0.25	0.25
S	SAE • ISO 11926	-20	-24	-8	-4	-6
B	BSPP • ISO 1179	1.25	1.50	0.50	0.25	none
M	ISO • ISO 6149	M42	M48	M16	M10	none
T	BSPT • ISO 7	1.25	1.50	0.50	0.25	none

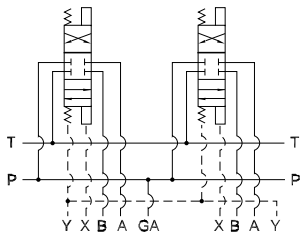
DAMAN PRODUCTS COMPANY, INC. • 3622 N. Home Street, Mishawaka, IN 46545-4398 USA
North America • Ph: 800·959·7841 Fx: 800·241·7664 • International • Ph: 219·259·7841 Fx: 219·259·7665
e-mail: daman@damanifolds.com • Internet: http://www.damanifolds.com

Options - D08 High Flow Parallel Manifold

Contact Daman or consult CD-rom CADalog for cavity locations if critical.



Parallel Circuit with X



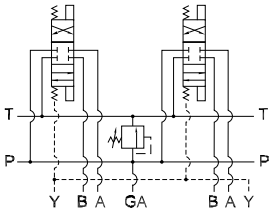
ISOLATIONS

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:
5.25 [133.4] spacing		
A	01 & 02	02-07
B	02 & 03	03-07
C	03 & 04	04-07
D	04 & 05	05-07
E	05 & 06	06-07
F	06 & 07	07
7.00 [177.8] spacing		
A	01 & 02	02-05
B	02 & 03	03-05
C	03 & 04	04-05
D	04 & 05	05

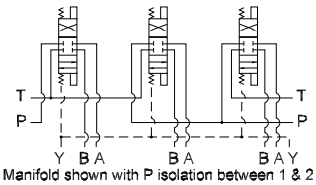
* Stations are numbered left to right.

Parallel Circuit with Relief



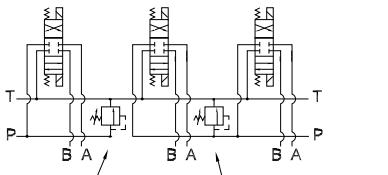
Valve with P in nose must be used.

Parallel Circuit with Isolations



Manifold shown with P isolation between 1 & 2 (PA), and T isolation between 2 & 3 (TB).

Relief / Isolation Combination

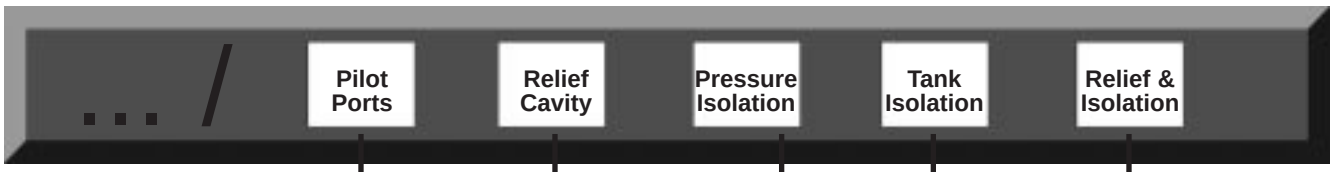


Option code L relief left of isolation

Option code R relief right of isolation

Option code D includes both reliefs

Ordering Information



Pilot Ports	
Omit if X ports not required	
1	X port ISO 4401-08-07 NFPA T3.5.1-D08

Relief Cavity	
Omit if relief not required	
C	Common cavity C-16-2 (P in nose)
S	Sun Cavity T-16A (P in nose) See section 9 for valves.

Tank Isolation	
Omit if T isolation not required	
TA...TF	Available with spacing code 5
TA...TD	Available with spacing code 7

Relief / Isolation Combination	
Specify when using both relief and isolation options.	
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	
PA...PF	Available with spacing code 5
PA...PD	Available with spacing code 7