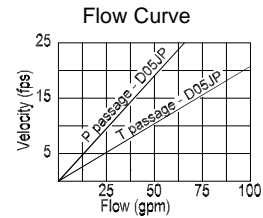
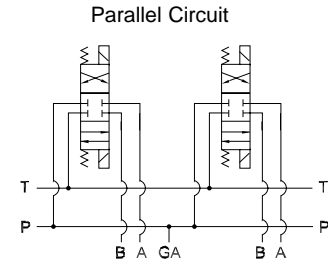
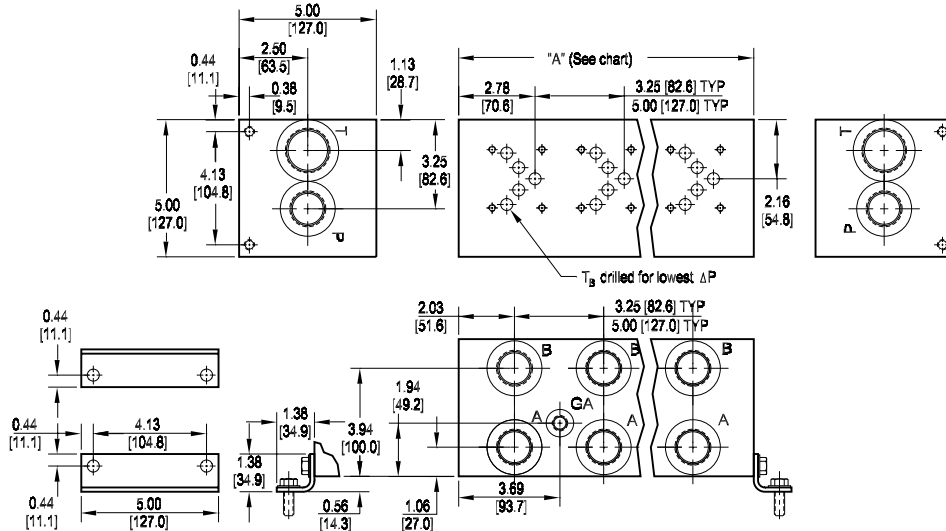


D05 Extra High Flow Parallel Circuit Manifold



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

No. of stations	* 01	02	03	04	05	06	07	08	09	10
"A" length (code 3 spa.) inch [mm]	4.25 [108.0]	7.50 [190.5]	10.75 [273.1]	14.00 [355.6]	17.25 [438.2]	20.50 [520.7]	23.75 [603.3]	27.00 [685.8]	30.25 [768.4]	33.50 [850.9]
apx. weight alum lb [kg]	10 [5]	18 [8]	26 [12]	35 [16]	43 [20]	51 [23]	59 [27]	67 [30]	75 [34]	83 [38]
apx. weight iron lb [kg]	27 [12]	48 [22]	69 [31]	91 [41]	112 [51]	133 [60]	154 [70]	175 [79]	196 [89]	217 [99]
"A" length (code 5 spa.) inch [mm]	--	9.25 [235.0]	14.25 [362.0]	19.25 [489.0]	24.25 [616.0]	29.25 [743.0]				
apx. weight alum lb [kg]	--	23 [10]	35 [16]	48 [22]	60 [27]	73 [33]				
apx. weight iron lb [kg]	--	60 [27.2]	92 [41.8]	125 [56.8]	157 [71.3]	190 [86.3]				

* Length of 01 station with relief cavity is 5.50 [139.7]. Gauge port not available on 01 station.

All mounting hardware is supplied.
See page 63 for itemized list.

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

Specifications, descriptions, and dimensional data are subject to correction or change without notice or incurring obligation.
Download latest catalog page revisions at www.damanifolds.com.

Ordering Information

Material	Valve Pattern	Circuit	No. of Stations	Valve Spacing	Port Threads	Options
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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	
D05	ISO 4401-05-04 NFPA T3.5.1-D05 See Tech Information

Circuit	
JP	Parallel Circuit Extra High Flow

Valve Spacing	
3	3.25 inch 82.6 mm
5	5.00 inch 127.0 mm

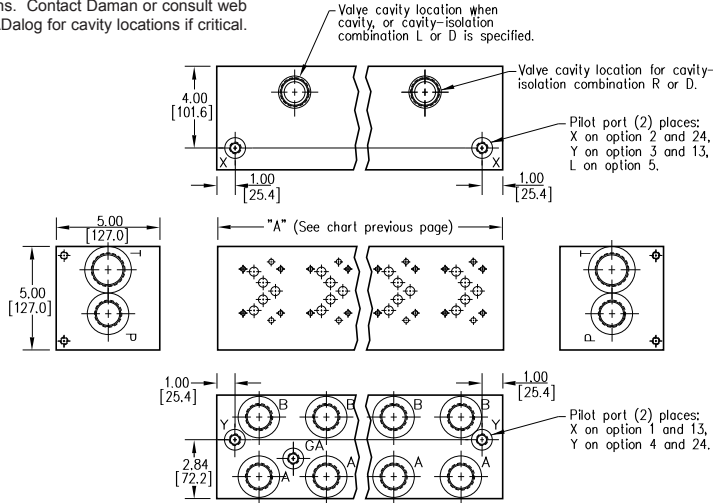
No. of Stations	
Aluminum	
01...10	Available with spacing code 3
02...06	Available with spacing code 5
Ductile Iron	
01...10	Available with spacing code 3
02...06	Available with spacing code 5

Port Threads	P,A,B	T	X,Y,L optional	GA	
P	NPTF • ANSI B1.20.3	1.00	1.25	0.38	0.25
S	SAE • ISO 11926	-16	-20	-6	-6
B	BSPP • ISO 1179	1.00	1.25	0.38	none
M	ISO • ISO 6149	M33	M42	M14	none
T	BSPT • ISO 7	1.00	1.25	0.38	none

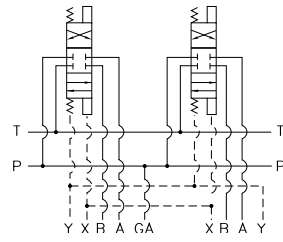
Options	
See next page for available options and ordering codes.	

Options - D05 Extra High Flow Parallel Manifold

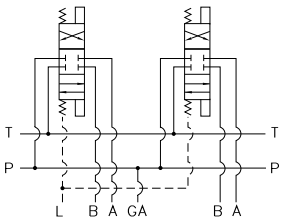
Pilot port location dimensions vary on (1) station manifolds and manifolds with isolations. Contact Daman or consult web CADalog for cavity locations if critical.



Parallel Circuit with X & Y



Parallel Circuit with L



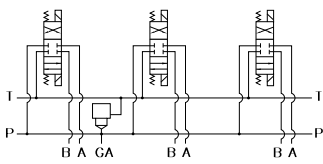
ISOLATIONS

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:
3.25 [82.6] 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
5.00 [127.0] spacing		
A	01 & 02	02-06
B	02 & 03	03-06
C	03 & 04	04-06
D	04 & 05	05-06
E	05 & 06	06

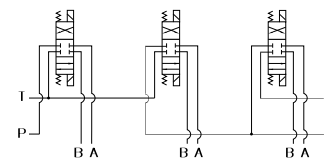
* Stations are numbered left to right.

Parallel Circuit with Cavity



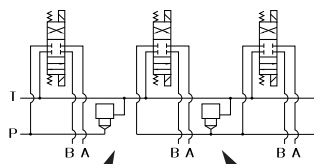
Valves with P in the nose and T out the side must be used.

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:

- The GA port is not available on a (1) station manifold.
- The GA port is not available when a pressure isolation is located between stations 1 & 2.
- Some cavity and isolation combinations are not possible. Consult factory to determine availability.

Ordering Information



Pilot Ports	
Omit if pilot ports not required	
1	X port (USA std) NFFPA T3.5.1-D05 Alt-B
3	Y port (USA std) NFFPA T3.5.1-D05 Alt-B
13	X & Y ports (USA std) NFFPA T3.5.1-D05 Alt-B
2	X port ISO 4401-05-05 NFFPA T3.5.1-D05 Alt-A
4	Y port ISO 4401-05-05 NFFPA T3.5.1-D05 Alt-A
24	X & Y ports ISO 4401-05-05 NFFPA T3.5.1-D05 Alt-A
5	L ports Proportional valves

Cavity	
Omit if cavity 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...PJ	Available with spacing code 3
PA...PE	Available with spacing code 5

Tank Isolation	
Omit if T isolation not required	
TA...TJ	Available with spacing code 3
TA...TE	Available with spacing code 5

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.