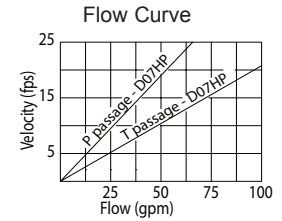
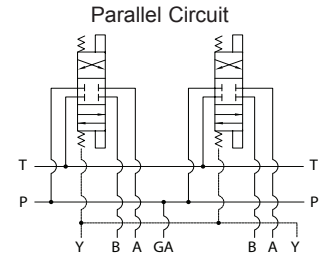
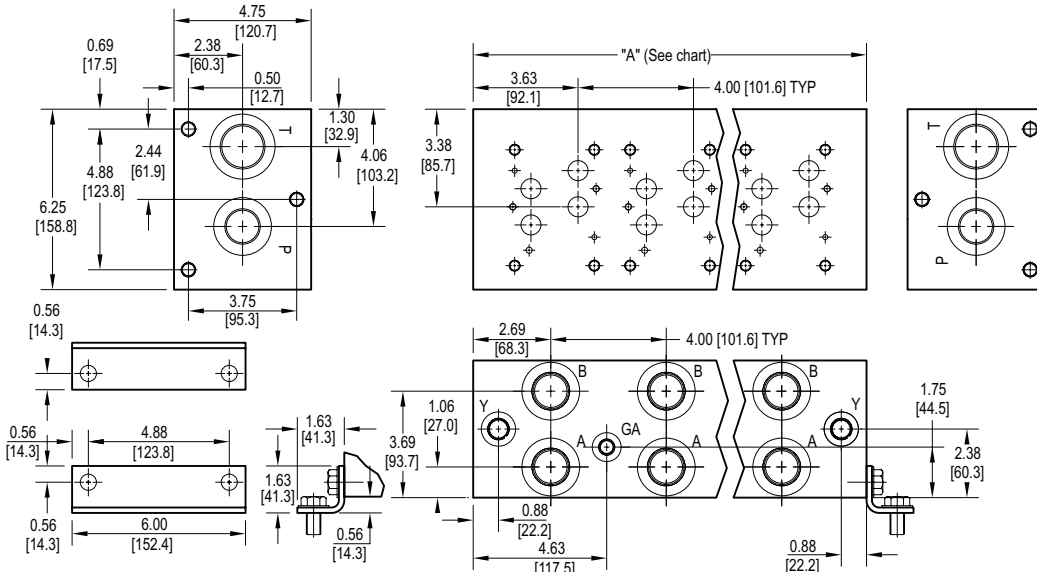


D07 High Flow Parallel Circuit Manifold



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]

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

* 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.

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
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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.

Circuit	
HP	Parallel Circuit High Flow

Valve Spacing	
4	4.00 inch 101.6 mm

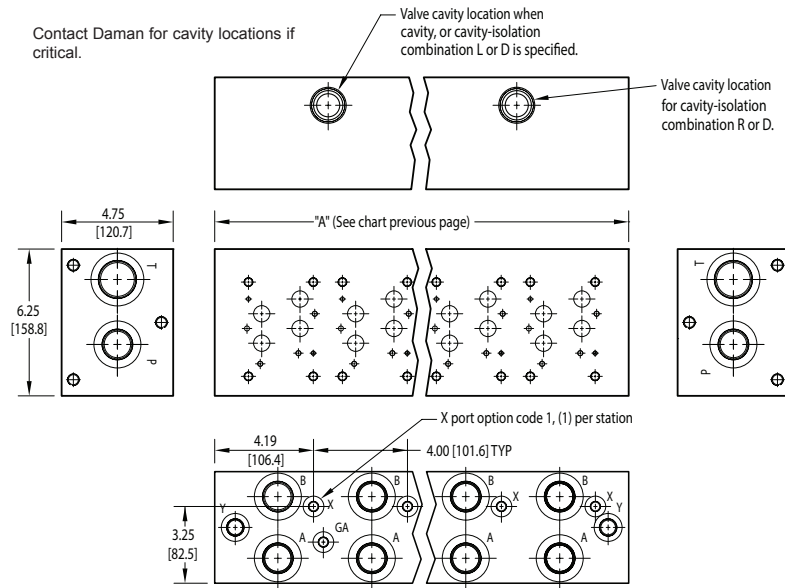
Options	
See next page for available options and ordering codes.	

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

Port Threads	P,A,B	T	Y	X optional	GA
P	NPTF • ANSI B1.20.3	1.00	1.25	0.50	0.25
S	SAE • ISO 11926	-16	-20	-8	-4
B	BSPP • ISO 1179	1.00	1.25	0.50	0.25
M	ISO • ISO 6149	M33	M42	M16	M10
T	BSPT • ISO 7	1.00	1.25	0.50	0.25

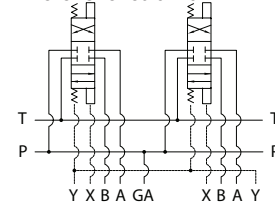
Options - D07 High Flow Parallel Manifold



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.

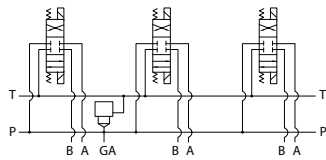
Parallel circuit with X



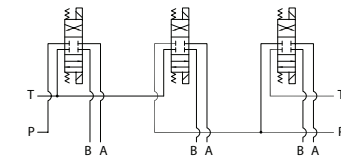
Parallel Circuit with Cavity

Parallel Circuit with Isolations

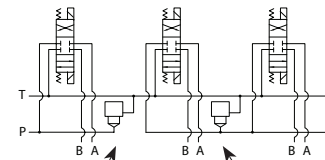
Cavity & Isolation Combinations



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



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



Option code L Cavity left of isolation
Option code R Cavity right of isolation
Option code D includes both cavities

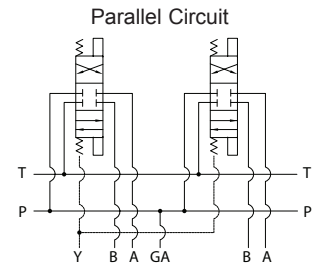
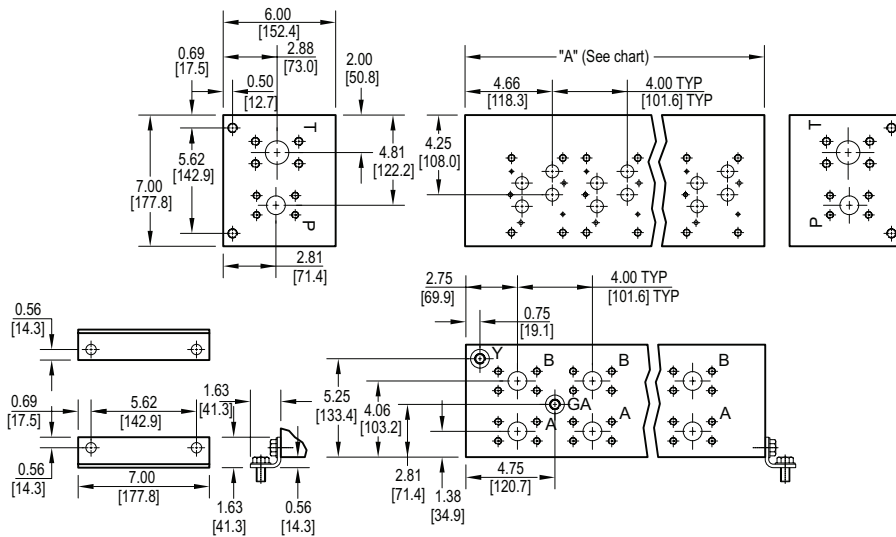
NOTES:

- 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 availability.

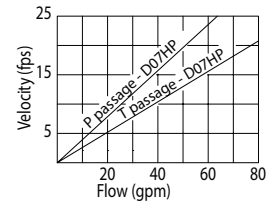
Ordering Information

Pilot Ports		Cavity		Pressure Isolation		Tank Isolation		Cavity & Isolation Combinations	
Omit if X ports not required 1 X port ISO 4401-07-06 NFPA T3.5.1-D07		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.		Omit if P isolation not required PA...PG Available with spacing code 4		Omit if T isolation not required TA...TG Available with spacing code 4		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.	

D07 High Flow Parallel Circuit Manifold - Flange Ports



Flow Curve



Rated flow Pressure 37 gpm @ 15 fps
Rated flow Tank 57 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 inch [mm]	6.63 [168.3]	10.63 [269.9]	14.63 [371.5]	18.63 [473.1]	22.63 [574.7]	26.63 [676.3]	30.63 [777.9]	34.63 [879.5]
apx. weight alum lb [kg]	28 [12.6]	45 [20]	61 [28]	78 [36]	95 [43]	112 [51]	129 [59]	145 [66]
apx. weight ferrous lb [kg]	75 [34]	120 [55]	166 [75]	211 [96]	257 [116]	302 [137]	344 [156]	389 [176]

* Length of 01 station with relief cavity 7.13 [181.0]. Gauge port not available on 01 station.

Port code	Valve mtg.	Manifold mtg.	Flange mtg.	GA Port	Y Port	X Port *
F	0.38-16 UNC x 1.00 [25] DP	0.50-13 UNC x	ISO 6162	-6 SAE	-6 SAE	-4 SAE
	0.25-20 UNC x 0.75 [19] DP	0.88 [22] DP	Type II - Inch	J1926	J1926	J1926
F / M	M10 ISO 6H x 1.00 [25] DP	M12 ISO 6H x	ISO 6162	NONE	M14	M10
	M6 ISO 6H x 0.75 [19] DP	0.88 [22] DP	Type I - metric		ISO 6149	ISO 6149

* X port is optional. See options on next page.

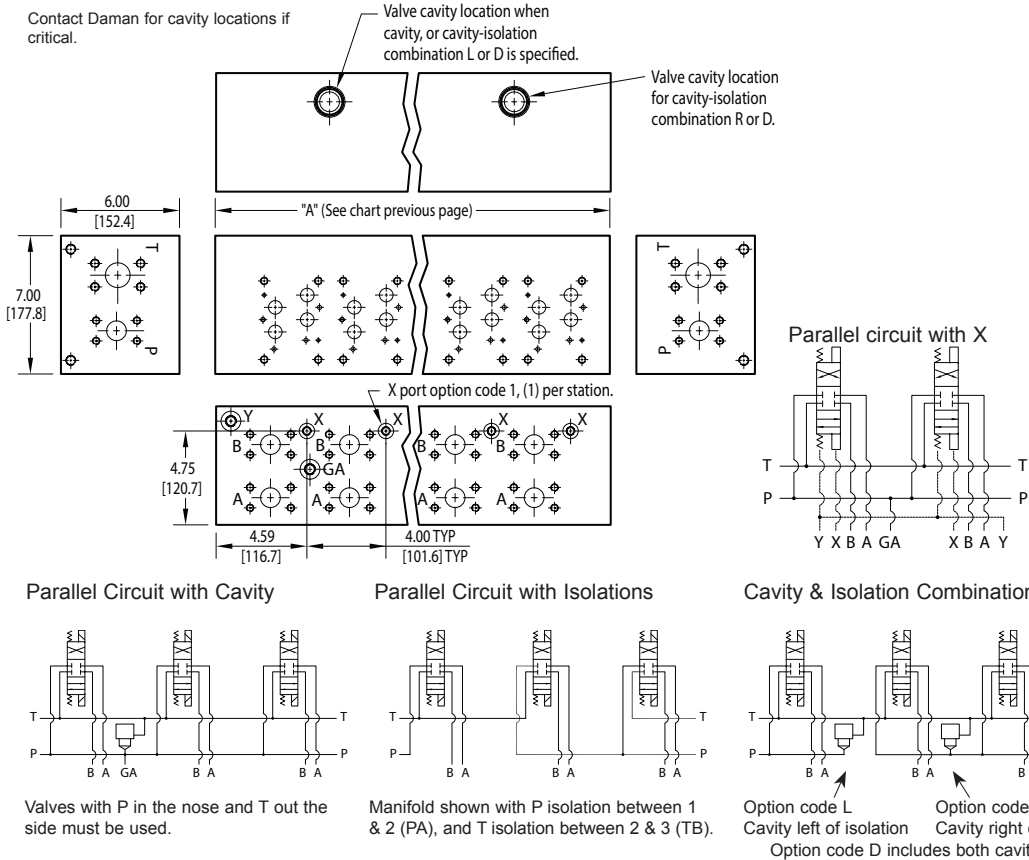
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Ordering Information

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

Material	Valve Pattern	Circuit	No. of Stations	Valve Spacing	Port Threads	Options																																																	
<table border="1" style="width: 100%;"> <thead> <tr> <th colspan="2">Material</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Aluminum - 6061-T6 3000† psi • 20.7 MPa</td> </tr> <tr> <td>D</td> <td>Ductile Iron - D4512 5000† psi • 34.5 MPa</td> </tr> <tr> <td colspan="2">† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.</td> </tr> </tbody> </table>	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.		<table border="1" style="width: 100%;"> <thead> <tr> <th colspan="2">Circuit</th> </tr> </thead> <tbody> <tr> <td>HP</td> <td>Parallel Circuit High Flow</td> </tr> </tbody> </table>	Circuit		HP	Parallel Circuit High Flow	<table border="1" style="width: 100%;"> <thead> <tr> <th colspan="2">Valve Spacing</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>4.00 inch 101.6 mm</td> </tr> </tbody> </table>	Valve Spacing		4	4.00 inch 101.6 mm	<table border="1" style="width: 100%;"> <thead> <tr> <th colspan="2">Valve Pattern</th> </tr> </thead> <tbody> <tr> <td>D07</td> <td>ISO 4401-07-06 NFFA T3.5.1-D07 See Tech Information</td> </tr> </tbody> </table>	Valve Pattern		D07	ISO 4401-07-06 NFFA T3.5.1-D07 See Tech Information	<table border="1" style="width: 100%;"> <thead> <tr> <th colspan="2">No. of Stations</th> </tr> </thead> <tbody> <tr> <td colspan="2">Aluminum or Ductile Iron</td> </tr> <tr> <td>01...08</td> <td>Available with spacing code 4</td> </tr> </tbody> </table>	No. of Stations		Aluminum or Ductile Iron		01...08	Available with spacing code 4	<table border="1" style="width: 100%;"> <thead> <tr> <th colspan="3">Port Threads</th> </tr> </thead> <tbody> <tr> <td rowspan="3">F</td> <td>CODE 61 4-Bolt Flange</td> <td>P, A, B</td> </tr> <tr> <td>SAE J518 - CODE 61</td> <td>1.00</td> </tr> <tr> <td>ISO 6162 - 2.5 to 35 MPa</td> <td>CODE 61</td> </tr> <tr> <td></td> <td></td> <td>T</td> </tr> <tr> <td></td> <td></td> <td>1.25</td> </tr> <tr> <td></td> <td></td> <td>CODE 61</td> </tr> </tbody> </table>	Port Threads			F	CODE 61 4-Bolt Flange	P, A, B	SAE J518 - CODE 61	1.00	ISO 6162 - 2.5 to 35 MPa	CODE 61			T			1.25			CODE 61	<table border="1" style="width: 100%;"> <thead> <tr> <th colspan="2">Options</th> </tr> </thead> <tbody> <tr> <td colspan="2">See next page for available options and ordering codes.</td> </tr> </tbody> </table>	Options		See next page for available options and ordering codes.	
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Options - D07 High Flow Parallel Manifold - Flange Ports



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
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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.

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.

Ordering Information

...	Thread Type	Pilot Ports	Cavity	Pressure Isolation	Tank Isolation	Cavity & Isolation Combinations																																										
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