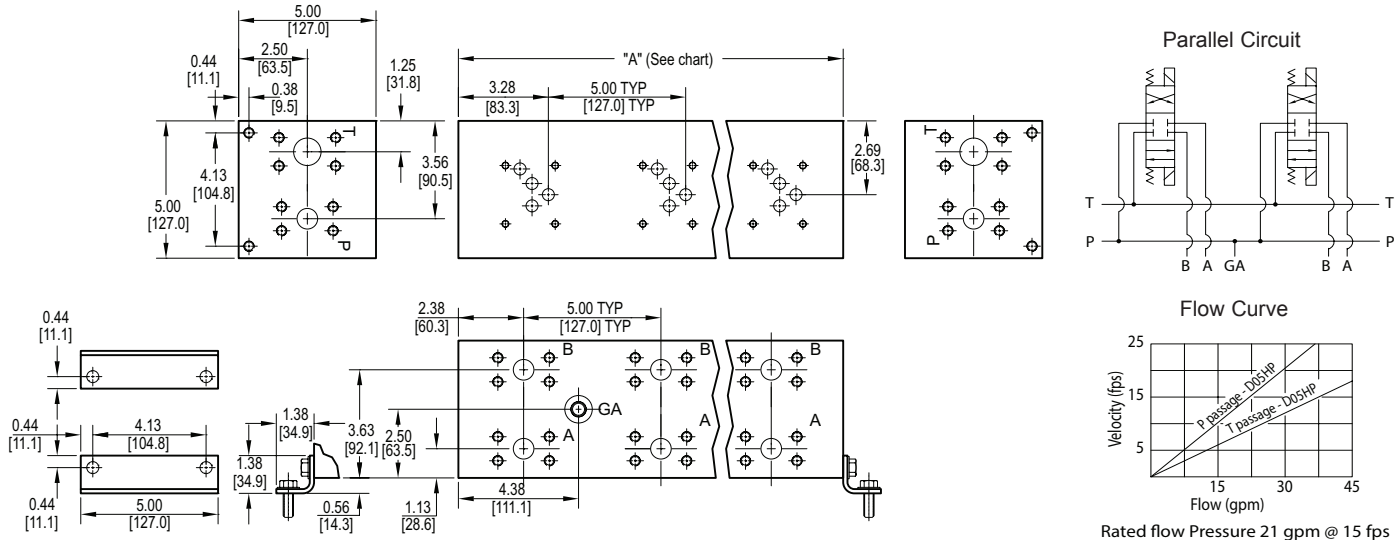


D05 High Flow Parallel Circuit Manifold - Flange Ports



No. of stations	* 01	02	03	04	05	06	07	08	09	10
"A" length inch [mm]	5.00 [127.0]	10.00 [254.0]	15.00 [381.0]	20.00 [508.0]	25.00 [635.0]	30.00 [762.0]	35.00 [889.0]	40.00 [1016.0]	45.00 [1143.0]	50.00 [1270.0]
apx. weight alum lb [kg]	13 [5.7]	25 [11]	38 [17]	50 [23]	63 [28]	75 [34]	88 [40]	100 [45]	112 [51]	125 [57]
apx. weight ferrous lb [kg]	34 [15.3]	68 [31]	101 [46]	135 [61]	169 [77]	203 [92]	236 [107]	270 [123]	304 [138]	338 [153]

Port code	Valve mtg.	Manifold mtg.	Flange mtg.	GA Port	Pilot Ports *
F	0.25-20 UNC x 0.75 [19] DP	0.38-16 UNC x 0.75 [19] DP	ISO 6162 Type II - Inch	-6 SAE J1926	-6 SAE J1926
F / M	M6 ISO 6H x 0.75 [19] DP	M10 ISO 6H x 0.75 [19] DP	ISO 6162 Type I - metric	NONE	M14 ISO 6149

* Length of 01 station with relief cavity is 5.75 [146.1]. Gauge port not available on 01 station. * Pilot ports are optional. See options on next page.

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.

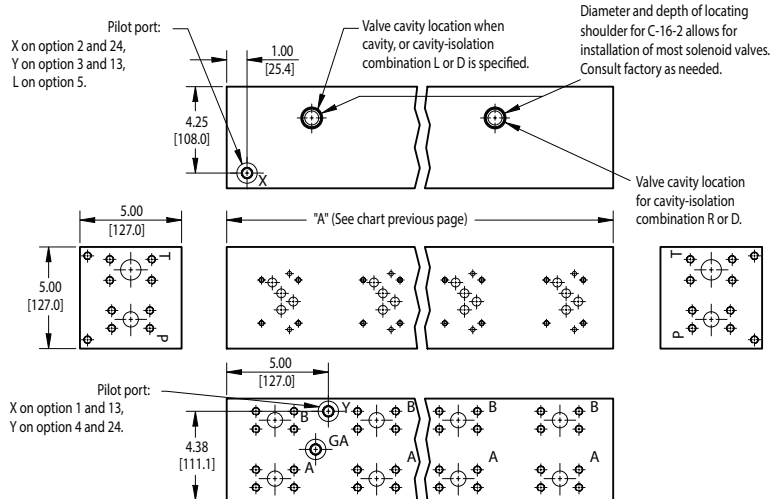
Ordering Information

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

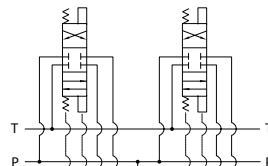
Material	Valve Pattern	Circuit	No. of Stations	Valve Spacing	Port Threads	Options																																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Material</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">A</td> <td>Aluminum - 6061-T6 3000[†] psi • 20.7 MPa</td> </tr> <tr> <td style="text-align: center;">D</td> <td>Ductile Iron - D4512 5000[†] psi • 34.5 MPa</td> </tr> <tr> <td colspan="2"><small>† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.</small></td> </tr> </tbody> </table>	Material		A	Aluminum - 6061-T6 3000 [†] psi • 20.7 MPa	D	Ductile Iron - D4512 5000 [†] psi • 34.5 MPa	<small>† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.</small>			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Circuit</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">HP</td> <td>Parallel Circuit High Flow</td> </tr> </tbody> </table>	Circuit		HP	Parallel Circuit High Flow	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Valve Pattern</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">D05</td> <td>ISO 4401-05-04 NFPA T3.5.1-D05 See Tech Information</td> </tr> </tbody> </table>	Valve Pattern		D05	ISO 4401-05-04 NFPA T3.5.1-D05 See Tech Information	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">No. of Stations</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center;">Aluminum</td> </tr> <tr> <td style="text-align: center;">01...10</td> <td>Available with spacing code 5</td> </tr> <tr> <td colspan="2" style="text-align: center;">Ductile Iron</td> </tr> <tr> <td style="text-align: center;">01...10</td> <td>Available with spacing code 5</td> </tr> </tbody> </table>	No. of Stations		Aluminum		01...10	Available with spacing code 5	Ductile Iron		01...10	Available with spacing code 5	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Valve Spacing</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">5</td> <td>5.00 inch 127.0 mm</td> </tr> </tbody> </table>	Valve Spacing		5	5.00 inch 127.0 mm	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">Port Threads</th> </tr> <tr> <th></th> <th>P,A,B</th> <th>T</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">F</td> <td>CODE 61 4-Bolt Flange SAE J518 - CODE 61 ISO 6162 - 2.5 to 35 MPa</td> <td>0.75 CODE 61 1.00 CODE 61</td> </tr> </tbody> </table>	Port Threads				P,A,B	T	F	CODE 61 4-Bolt Flange SAE J518 - CODE 61 ISO 6162 - 2.5 to 35 MPa	0.75 CODE 61 1.00 CODE 61	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Options</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center;">See next page for available options and ordering codes.</td> </tr> </tbody> </table>	Options		See next page for available options and ordering codes.	
Material																																																		
A	Aluminum - 6061-T6 3000 [†] psi • 20.7 MPa																																																	
D	Ductile Iron - D4512 5000 [†] psi • 34.5 MPa																																																	
<small>† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.</small>																																																		
Circuit																																																		
HP	Parallel Circuit High Flow																																																	
Valve Pattern																																																		
D05	ISO 4401-05-04 NFPA T3.5.1-D05 See Tech Information																																																	
No. of Stations																																																		
Aluminum																																																		
01...10	Available with spacing code 5																																																	
Ductile Iron																																																		
01...10	Available with spacing code 5																																																	
Valve Spacing																																																		
5	5.00 inch 127.0 mm																																																	
Port Threads																																																		
	P,A,B	T																																																
F	CODE 61 4-Bolt Flange SAE J518 - CODE 61 ISO 6162 - 2.5 to 35 MPa	0.75 CODE 61 1.00 CODE 61																																																
Options																																																		
See next page for available options and ordering codes.																																																		

Options - D05 High Flow Parallel Manifold Flange Ports

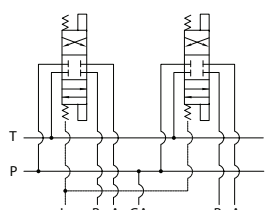
Contact Daman for cavity locations if critical.



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.

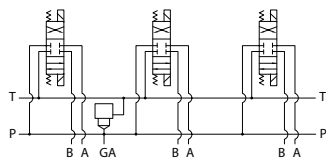
Ordering code letter:	* Isolation is between stations:	Available # of stations:
A	01 & 02	02-08
B	02 & 03	03-09
C	03 & 04	04-10
D	04 & 05	05-10
E	05 & 06	06-10
F	06 & 07	07-10
G	07 & 08	08-10
H	08 & 09	09-10

* Stations are numbered left to right.

NOTES:

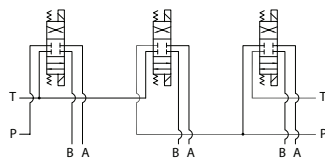
- The GA port is not available when a pressure isolation is located between stations 1 & 2.

Parallel Circuit with Cavity



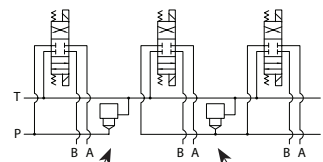
Valves with P in the nose and T out the side must be used.

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

Ordering Information

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

Thread Type	
Omit	Inch threads / ports
M	Metric threads / ports

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

Pilot ports available from 01-08 stations

Cavity	
Omit if cavity not required	
C	Common cavity: C-16-2 (P in nose)
S	Sun Cavity: T-3A (P in nose) See Tech Info for valves.

Tank Isolation	
Omit if T isolation not required	
TA...TH	Available with spacing code 5

Pressure Isolation	
Omit if P isolation not required	
PA...PH	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.