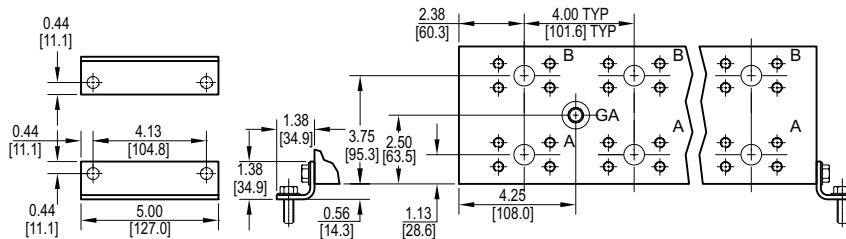
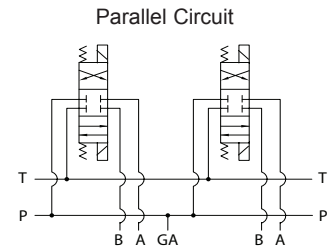
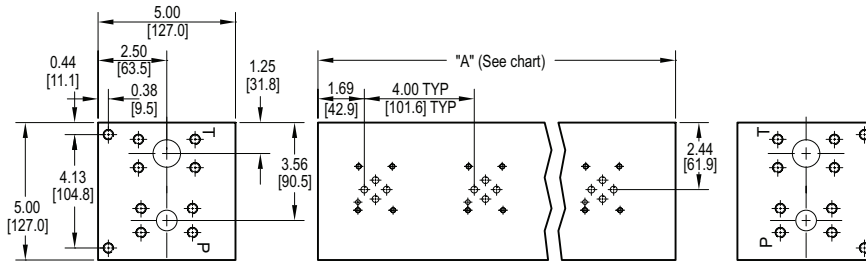
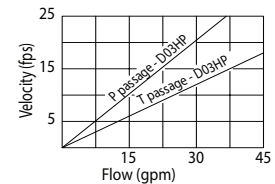


# D03 High Flow Parallel Circuit Manifold - Flange Ports



Flow Curve



Rated flow Pressure 21 gpm @ 15 fps  
Rated flow Tank 37 gpm @ 15 fps

No. of stations	* 01	02	03	04	05	06	07	08	09	10	11	12
"A" length inch [mm]	4.75 [120.7]	8.75 [222.3]	12.75 [323.9]	16.75 [425.5]	20.75 [527.1]	24.75 [628.7]	28.75 [730.3]	32.75 [831.9]	36.75 [933.5]	40.75 [1035.1]	44.75 [1136.7]	48.75 [1238.3]
apx. weight alum lb [kg]	12 [5.5]	22 [10]	32 [14.5]	42 [19]	52 [23.5]	62 [28]	72 [33]	82 [37]	92 [42]	102 [46]	112 [51]	122 [55]
apx. weight ferrous lb [kg]	31 [14]	57 [26]	83 [38]	109 [49]	135 [61]	161 [73]	187 [85]	213 [97]	239 [108]	265 [120]	291 [132]	317 [144]

\* Length of 01 station with relief cavity is 5.75 [146.1]. Gauge port not available on 01 station.

Port code	Valve mtg.	Manifold mtg.	Flange mtg.	GA Port
<b>F</b>	#10-24 UNC x 0.63 [16] DP	0.38-16 UNC x 0.75 [19] DP	ISO 6162 Type II - Inch	-6 SAE J1926
<b>F / M</b>	M5 ISO 6H x 0.63 [16] DP	M10 ISO 6H x 0.75 [19] DP	ISO 6162 Type I - metric	NONE

All mounting hardware is supplied.  
See page 64 for itemized list.

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](http://www.daman.com).

## Ordering Information

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

Material	Valve Pattern	Circuit	No. of Stations	Valve Spacing	Port Threads	/	Options
----------	---------------	---------	-----------------	---------------	--------------	---	---------

Material	
<b>A</b>	Aluminum - 6061-T6 3000† psi • 20.7 MPa
<b>D</b>	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	
<b>D03</b>	ISO 4401-03-02 NFPA T3.5.1-D03 See Tech Information

Circuit	
<b>HP</b>	Parallel Circuit High Flow

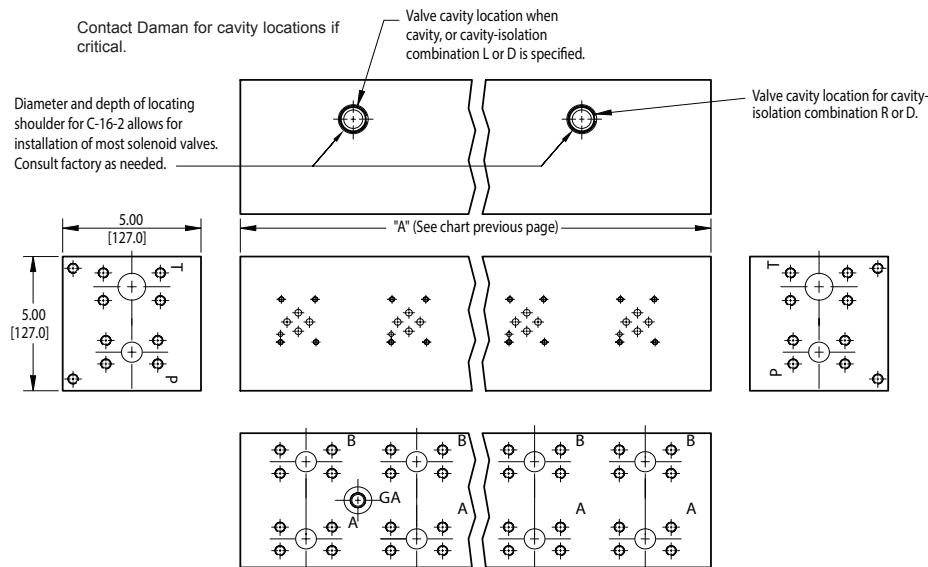
Valve Spacing	
<b>4</b>	4.00 inch 101.6 mm

No. of Stations	
<b>01...12</b>	Aluminum or Ductile Iron Available with spacing code 4

Port Threads		P,A,B	T
<b>F</b>	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 - D03 High Flow Parallel Manifold Flange Ports



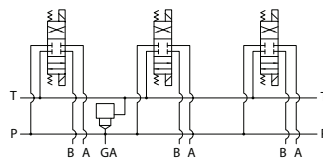
ISOLATIONS		
Daman isolation options allow a manifold to have two independent pressure and/or tank ports. Isolations are drilled rather than plugged to ensure a leakproof and failproof isolation.		
Ordering code letter:	* Isolation is between stations:	Available # of stations:
A	01 & 02	02-10
B	02 & 03	03-11
C	03 & 04	04-12
D	04 & 05	05-12
E	05 & 06	06-12
F	06 & 07	07-12
G	07 & 08	08-12

\* Stations are numbered left to right.

## NOTES:

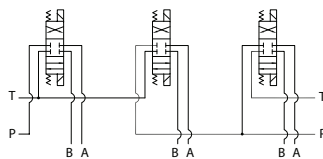
- 1) The GA port is not available when a pressure isolation is located between 1 & 2.
- 2) Some cavity and isolation combinations are not possible. Consult factory to determine availability.

Parallel Circuit with Cavity



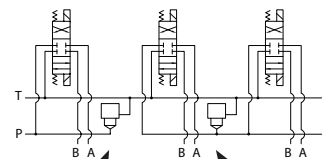
Valves with P in the nose and T out the side must be used.

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	Cavity	Pressure Isolation	Tank Isolation	Cavity & Isolation Combinations
-----	-------------	--------	--------------------	----------------	---------------------------------

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

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...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.

Pressure Isolation	
Omit if P isolation not required	
PA...PG	Available with spacing code 4