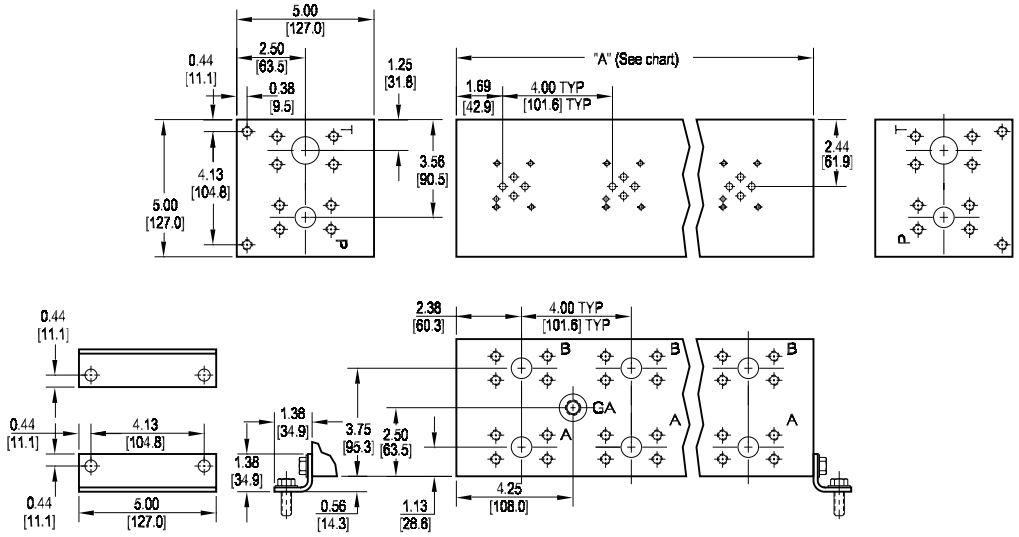
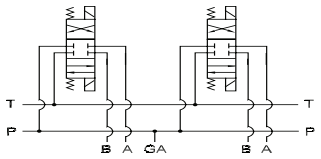
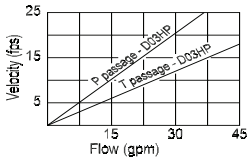
D03 High Flow Parallel Circuit Manifold - Flange Ports



Parallel Circuit



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
"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]
apx. weight alum lb [kg]	12 [5.5]	22 [10]	32 [14.5]	42 [19]	52 [23.5]	62 [28]	72 [33]	82 [37]
apx. weight iron lb [kg]	31 [14]	57 [26]	83 [38]	109 [49]	135 [61]	161 [73]	187 [85]	213 [97]

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

All mounting hardware is supplied.
See page 62 for itemized list.

Port code	Valve mtg.	Manifold mtg.	Flange mtg.	GA Port
F	#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
F / M	M5 ISO 6H x 0.63 [16] DP	M10 ISO 6H x 0.75 [19] DP	ISO 6162 Type I - metric	NONE

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

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
N	Electroless Nickel Coated 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

D03	ISO 4401-03-02 NFPA T3.5.1-D03 See Tech Information

Circuit

HP	Parallel Circuit High Flow

No. of Stations

Aluminum or Ductile Iron	
01...08	Available with spacing code 4

Valve Spacing

4	4.00 inch 101.6 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.

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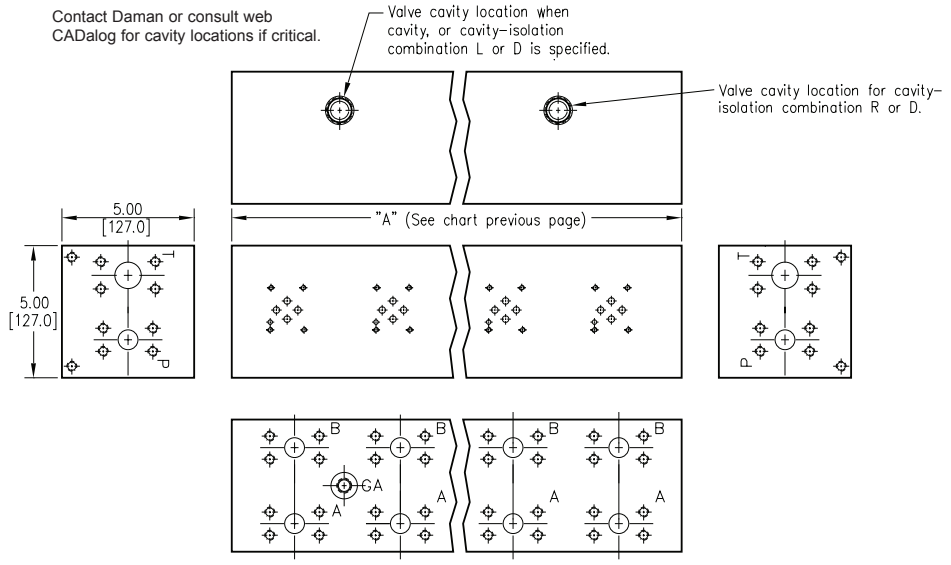
Options - D03 High Flow Parallel Manifold Flange Ports



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	02-08
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

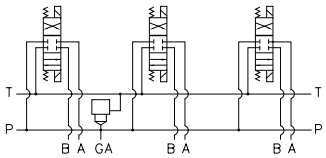
* Stations are numbered left to right.

NOTES:

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

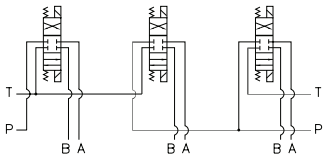
2) Some cavity and isolation combinations are not possible. Consult factory to determine availablity.

Parallel Circuit with Cavity



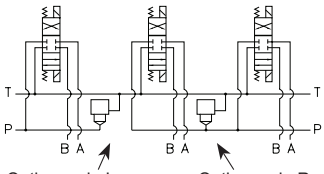
Valves with P in the nose and T out the side must be used.

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: With solenoid clearance. 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

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