

No. of stations	* 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
"A" length (code 2 spa.) inch [mm]	2.13 [54.0]	4.25 [108.0]	6.38 [162.1]	8.50 [215.9]	10.63 [270.0]	12.75 [323.9]	14.88 [378.0]	17.00 [431.8]	19.13 [485.9]	21.25 [539.8]	23.38 [593.9]	25.50 [647.7]	27.63 [701.8]	29.75 [755.7]	31.88 [809.8]	34.00 [853.6]	36.13 [917.6]	38.25 [971.6]	40.38 [1025.5]	42.50 [1079.5]
apx. weight alum lb [kg]	3 [1]	4 [2]	6 [3]	8 [4]	9 [4]	11 [5]	12 [5]	14 [6]	16 [7]	18 [8]	20 [9]	21 [10]	22 [10]	24 [11]	26 [12]	27 [12]	29 [13]	31 [14]	32 [15]	34 [15]
apx. weight ferrous lb [kg]	5 [2]	9 [4]	13 [6]	17 [8]	21 [10]	26 [12]	30 [14]	34 [15]	38 [17]	42 [19]	47 [21]	51 [23]	55 [25]	59 [27]	63 [29]	68 [31]	--	--	--	--
"A" length (code 4 spa.) inch [mm]	--	6.13 [155.7]	10.13 [257.3]	14.13 [358.9]	18.13 [460.5]	22.13 [562.1]	26.13 [663.7]	30.13 [765.3]	34.13 [866.9]	38.13 [968.5]	42.13 [1070.1]	46.13 [1171.7]	50.13 [1273.3]	54.13 [1374.9]	58.13 [1476.5]	62.13 [1578.1]				
apx. weight alum lb [kg]	--	6 [3]	9 [4]	12 [5]	15 [7]	19 [9]	22 [10]	25 [11]	29 [13]	32 [15]	36 [16]	39 [18]	42 [19]	46 [21]	49 [22]	53 [24]				
apx. weight ferrous lb [kg]	--	12 [5]	20 [9]	28 [13]	36 [16]	45 [20]	53 [24]	61 [28]	69 [31]	77 [35]	85 [39]	93 [42]	102 [46]	110 [50]	118 [54]	126 [57]				

Port code	Valve mtg.	Manifold mtg.
P, S	#10-24 UNC x 0.63 [16] DP	0.31-18 UNC x 0.44 [11.1] DP
B, M, T	M5 ISO 6H x 0.63 [16] DP	M8 ISO 6H x 0.44 [11.1] DP

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

Ordering Information

Material	
A	Aluminum - 6061-T6 3000† psi • 20.7 MPa
D	Ductile Iron - D4512 5000† psi • 34.5 MPa
S*	Stainless Steel - 17-4 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	
P	Parallel Circuit Standard Flow

No. of Stations	
Aluminum	
01...20	Available with spacing code 2
02...16	Available with spacing code 4
Ductile Iron	
01...16	Available with spacing code 2
02...16	Available with spacing code 4
Stainless Steel	
01...09	Available with spacing code 2
02...05	Available with spacing code 4

Valve Spacing	
2	2.13 inch 54.0 mm
4	4.00 inch 101.6 mm

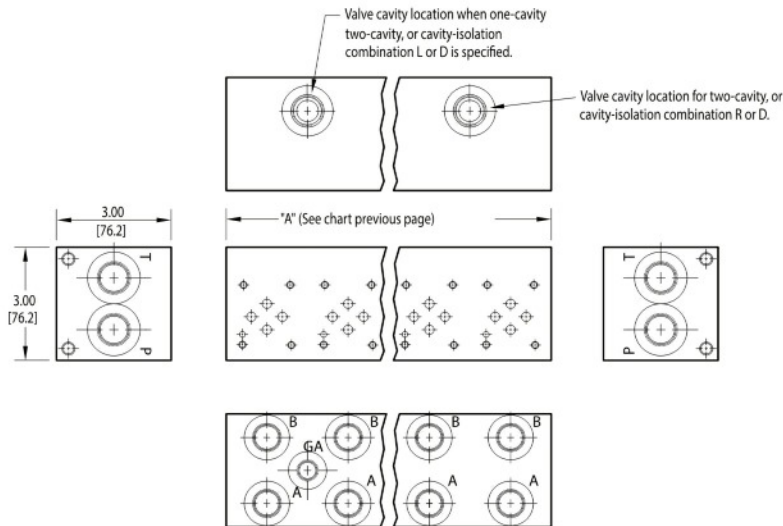
Port Threads		P & T	A & B	GA
P*	NPTF • ANSI B1.20.3	0.50	0.38	0.25
S	SAE • ISO 11926	-10	-8	-6
B	BSPP • ISO 1179	0.50	0.38	none
M	ISO • ISO 6149	M22	M18	none
T*	BSPT • ISO 7	0.50	0.38	none

* Pipe ports in stainless can experience galling

Options
See next page for available options and ordering codes.

Customers have the responsibility to continuously check all the information on all data sheets.

Options - D03 Standard Flow Parallel Manifold



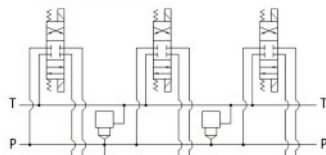
ISOLATIONS		
Hoyea isolations allow for a manifold to have two independent pressure and/or tank ports. Isolations are drilled rather than plugged to ensure a leakproof and failproof isolations		
Ordering code letter:	* Isolation is between stations:	Available # of stations:
2.125 [54.0] spacing		
A	01 & 02	02-14
B	02 & 03	03-15
C	03 & 04	04-16
D	04 & 05	05-17
E	05 & 06	06-18
F	06 & 07	07-19
G	07 & 08	08-20
H	08 & 09	09-20
J	09 & 10	10-20
4.00 [101.6] spacing		
A	01 & 02	02-10
B	02 & 03	03-11
C	03 & 04	04-12
D	04 & 05	05-13
E	05 & 06	06-14
F	06 & 07	07-15
G	07 & 08	08-16

* Stations are numbered left to right.

NOTES:

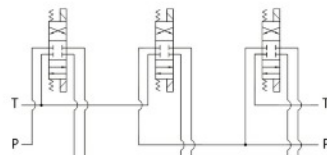
- 1) The GA port is not available on a (1) station manifold.
- 2) The GA port is not available when a pressure isolation is located between stations 1 & 2.
- 3) Some cavity and isolation combinations are not possible with spacing code 2. Consult factory to determine availability.

Parallel Circuit with one or two Cavities



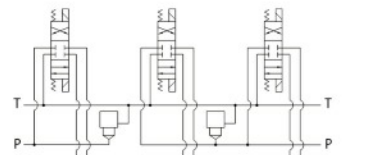
Valves with P in the nose and T out the side must be used.

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

...	Cavity	Pressure Isolation	Tank Isolation	Cavity & Isolation Combinations																																				
	<table><tr><th colspan="2">Cavity</th></tr><tr><td colspan="2">Omit if cavities not required</td></tr><tr><td>C</td><td>One Common cavity: No solenoid clearance. C-10-2 (P in nose) For valves w/1" hex max.</td></tr><tr><td>CC</td><td>Two Common cavities: With solenoid clearance C-10-2 (P in nose) Available 03-20 stations with spacing code 2; Available 02-16 stations with spacing code 4. Not available in combination with isolation options.</td></tr><tr><td>S</td><td>One Sun Cavity: T-10A (P in nose) See Tech Info for valves.</td></tr></table>	Cavity		Omit if cavities not required		C	One Common cavity: No solenoid clearance. C-10-2 (P in nose) For valves w/1" hex max.	CC	Two Common cavities: With solenoid clearance C-10-2 (P in nose) Available 03-20 stations with spacing code 2; Available 02-16 stations with spacing code 4. Not available in combination with isolation options.	S	One Sun Cavity: T-10A (P in nose) See Tech Info for valves.	<table><tr><th colspan="2">Pressure Isolation</th></tr><tr><td colspan="2">Omit if P isolation not required</td></tr><tr><td>PA...PJ</td><td>Available with spacing code 2</td></tr><tr><td>PA...PG</td><td>Available with spacing code 4</td></tr></table>	Pressure Isolation		Omit if P isolation not required		PA...PJ	Available with spacing code 2	PA...PG	Available with spacing code 4	<table><tr><th colspan="2">Tank Isolation</th></tr><tr><td colspan="2">Omit if T isolation not required</td></tr><tr><td>TA...TJ</td><td>Available with spacing code 2</td></tr><tr><td>TA...TG</td><td>Available with spacing code 4</td></tr></table>	Tank Isolation		Omit if T isolation not required		TA...TJ	Available with spacing code 2	TA...TG	Available with spacing code 4	<table><tr><th colspan="2">Cavity & Isolation Combinations</th></tr><tr><td colspan="2">Specify when using a combination of cavity and isolation options. Cavities do not have solenoid clearance.</td></tr><tr><td>L</td><td>Cavity is located left of the isolation.</td></tr><tr><td>R</td><td>Cavity is located right of the isolation.</td></tr><tr><td>D</td><td>Two cavities, one each side of isolation. (Use with cavity option codes C or S only.)</td></tr></table>	Cavity & Isolation Combinations		Specify when using a combination of cavity and isolation options. Cavities do not have solenoid clearance.		L	Cavity is located left of the isolation.	R	Cavity is located right of the isolation.	D	Two cavities, one each side of isolation. (Use with cavity option codes C or S only.)
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In order to constantly improve the quality of our products, we retain the right to make changes to the products and specifications at any time without prior notice.

Customers have the responsibility to continuously check all the information on all data sheets.