HYVAIR

INDUSTRIAL FLUID POWER COMPONENTS
AND SYSTEMS

MD03 & MD05 SERIES

Hyvair Standard Manifolds

MD03-2S-6AB-8PT

MD05-4S-8AB-12PT

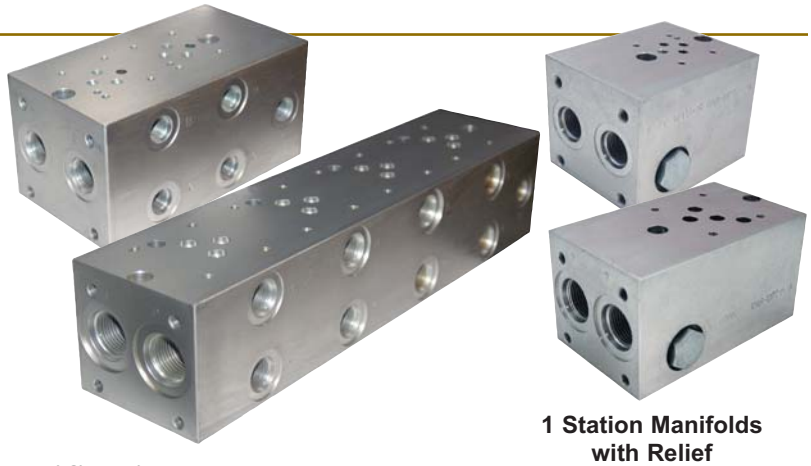
31341 Friendship Drive, Magnolia, TX 77355 • Tel.: 281-259-7768 Fax: 281-259-7249 • www.hyvair.com

MD03 & MD05 Series

Hyvair Standard Manifolds- Parallel Circuit

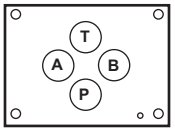
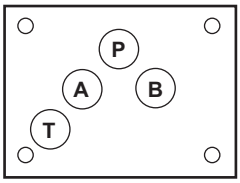
Features

1. **Intelligent Design:** Manifolds share same end mounting dimensions allowing manifolds to be joined together.
2. **Space Savings:** Manifold mounted circuits greatly reduce space requirements from in line mounted valves.
3. **Multiple Port Sizes:** Eliminates adapter fittings.



1 Station Manifolds with Relief

Specifications

Size		D03	D05
Mounting Surfaces: General Patterns			
Model Number	Std. A&B Ports	MD03-✳S-6AB-8PT	MD05-✳S-8AB-12PT
	Big A&B Ports	MD03-✳S-8AB-10PT	MD05-✳S-10AB-12PT
	Steel	MD03-✳S-8AB-12PT-S	MD05-✳S-10AB-12PT-S
Mounting Surface	NFPA	T3.5.1.MR1-F1984-03	T3.5.1.MR1-F1984-D05
	ISO	ISO 4401-03	ISO 4401-05
Nominal Flow Rates		5 gpm (19 lpm)	12 gpm (45 lpm)
Material		Aluminum or Steel	
Maximum Pressure		Aluminum 3000 psi (210 bar) Steel 5000 psi (350 bar)	
Recommended Fluids		Petroleum Based Fluids- ISO VG32-68, Phosphate Ester, Most Vegetable Oils, Water Based Fluids to 40% Water	

Ordering Information

MD05 - 1 S - 10AB - 12PT - C

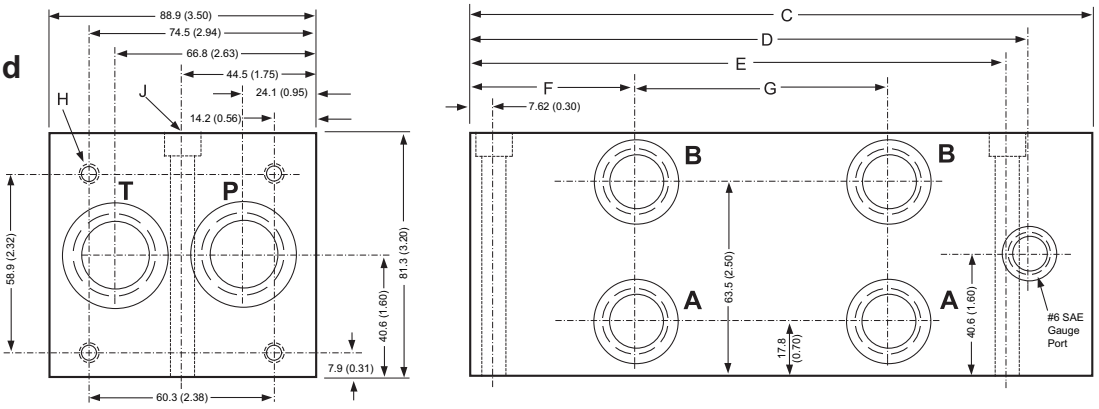
MD03 Series & MD05 Series	No. of Stations	A & B Port Size	P & T Port Size	Options
Hyvair Standard Manifolds	**1 Through 8 Available**	**6** = #6 SAE **8** = #8 SAE **10** = #10 SAE	**8** = #8 SAE **10** = #10 SAE **12** = #12 SAE	**omit** = Aluminum **S** = Steel **C** = With Relief Cavity (D03/ D05 1 Station Only)

31341 Friendship Drive, Magnolia, TX 77355 • Tel.: 281-259-7768 Fax: 281-259-7249 • www.hyvair.com

Dimensional Data

Units: mm/ (Inch)

MD03 & MD05 Manifold



	Model	No. of Stations	A & B Ports	P & T Ports	C	D	E	F	G	H	J
D03 HIGH-FLOW	MD03-1S-6AB-8PT	1	#6 SAE, (9/16-18)	#8SAE (3/4-16)	105 (4.14)	85 (3.34)	64 (2.50)	38.6 (1.52)	54.1 (2.13)	5/16-18 UNC	Accepts 5/16- 18 SHCS X 3.25" Min. Length
	MD03-2S-6AB-8PT	2			160 (6.27)	139 (5.47)	118 (4.63)				
	MD03-3S-6AB-8PT	3			213 (8.40)	193 (7.60)	172 (6.76)				
	MD03-4S-6AB-8PT	4			267 (10.53)	248 (9.73)	226 (8.89)				
	MD03-5S-6AB-8PT	5			322 (12.66)	301 (11.86)	280 (11.02)				
	MD03-6S-6AB-8PT	6			376 (14.79)	356 (14.00)	334 (13.15)				
	MD03-7S-6AB-8PT	7			430 (16.92)	409 (16.12)	388 (15.28)				
	MD03-8S-6AB-8PT	8			484 (19.05)	464 (18.25)	442 (17.41)				
	MD03-1S-8AB-10PT-C	1	#8SAE (3/4-16)	#10 SAE (7/8-14)	112 (4.41)	85 (3.34)	72 (2.83)	38.6 (1.52)	54.1 (2.13)	5/16-18 UNC	Accepts 5/16- 18 SHCS X 3.25" Min. Length
	MD03-1S-8AB-10PT	1			105 (4.14)	85 (3.34)	64 (2.50)				
	MD03-2S-8AB-10PT	2			160 (6.27)	139 (5.47)	118 (4.63)				
	MD03-3S-8AB-10PT	3			213 (8.40)	193 (7.60)	172 (6.76)				
	MD03-4S-8AB-10PT	4			267 (10.53)	248 (9.73)	226 (8.89)				
	MD03-5S-8AB-10PT	5			322 (12.66)	301 (11.86)	280 (11.02)				
	MD03-6S-8AB-10PT	6			376 (14.79)	356 (14.00)	334 (13.15)				
	MD03-7S-8AB-10PT	7			430 (16.92)	409 (16.12)	388 (15.28)				
	MD03-8S-8AB-10PT	8			484 (19.05)	464 (18.25)	442 (17.41)				
	MD03-1S-8AB-12PT-S	1	#8SAE (3/4-16)	#12 SAE (1-1/16-12)	105 (4.14)	85 (3.34)	64 (2.50)	38.6 (1.52)	54.1 (2.13)	5/16-18 UNC	Accepts 5/16- 18 SHCS X 3.25" Min. Length
	MD03-2S-8AB-12PT-S	2			160 (6.27)	139 (5.47)	118 (4.63)				
	MD03-3S-8AB-12PT-S	3			213 (8.40)	193 (7.60)	172 (6.76)				
	MD03-4S-8AB-12PT-S	4			267 (10.53)	248 (9.73)	226 (8.89)				
	MD03-5S-8AB-12PT-S	5			322 (12.66)	301 (11.86)	280 (11.02)				
	MD03-6S-8AB-12PT-S	6			376 (14.79)	356 (14.00)	334 (13.15)				
	MD03-7S-8AB-12PT-S	7			430 (16.92)	409 (16.12)	388 (15.28)				
	MD03-8S-8AB-12PT-S	8			484 (19.05)	464 (18.25)	442 (17.41)				
	MD05-1S-8AB-12PT	1	#8SAE (3/4-16)	#12 SAE (1-1/16-12)	126 (4.95)	103 (4.05)	98 (3.85)	54.6 (2.15)	82.6 (3.25)	5/16-18 UNC	Accepts 5/16- 18 SHCS X 3.25" Min. Length
	MD05-2S-8AB-12PT	2			208 (8.20)	185 (7.30)	180 (7.10)				
	MD05-3S-8AB-12PT	3			291 (11.45)	268 (10.55)	263 (10.35)				
	MD05-4S-8AB-12PT	4			373 (14.70)	351 (13.80)	345 (13.60)				
	MD05-5S-8AB-12PT	5			456 (17.95)	433 (17.05)	428 (16.85)				
	MD05-6S-8AB-12PT	6			538 (21.10)	516 (20.30)	511 (20.10)				
	MD05-8S-8AB-12PT	8			704 (27.70)	681 (26.80)	676 (26.60)				
	MD05-1S-10AB-12PT-C	1	#10 SAE (7/8-14)	#12 SAE (1-1/16-12)	150 (5.90)	103 (4.05)	91 (3.58)	54.6 (2.15)	82.6 (3.25)	5/16-18 UNC	Accepts 5/16- 18 SHCS X 3.25" Min. Length
	MD05-1S-10AB-12PT	1			126 (4.95)	103 (4.05)	98 (3.85)				
	MD05-2S-10AB-12PT	2			208 (8.20)	185 (7.30)	180 (7.10)				
	MD05-3S-10AB-12PT	3			291 (11.45)	268 (10.55)	263 (10.35)				
	MD05-4S-10AB-12PT	4			373 (14.70)	351 (13.80)	345 (13.60)				
	MD05-5S-10AB-12PT	5			456 (17.95)	433 (17.05)	428 (16.85)				
	MD05-6S-10AB-12PT	6			538 (21.10)	516 (20.30)	511 (20.10)				
	MD05-1S-10AB-12PT-S	1	#10 SAE (7/8-14)	#12 SAE (1-1/16-12)	126 (4.95)	103 (4.05)	98 (3.85)	54.6 (2.15)	82.6 (3.25)	5/16-18 UNC	Accepts 5/16- 18 SHCS X 3.25" Min. Length
	MD05-2S-10AB-12PT-S	2			208 (8.20)	185 (7.30)	180 (7.10)				
	MD05-3S-10AB-12PT-S	3			291 (11.45)	268 (10.55)	263 (10.35)				
	MD05-4S-10AB-12PT-S	4			373 (14.70)	351 (13.80)	345 (13.60)				
	MD05-5S-10AB-12PT-S	5			456 (17.95)	433 (17.05)	428 (16.85)				
	MD05-6S-10AB-12PT-S	6			538 (21.10)	516 (20.30)	511 (20.10)				