

Manifolds

MS, MD & SD Manual Manifolds



MD-4-4



SD-7-2



MS-9-4

Specifications:

- Maximum Inlet pressure 3000 psig
- Includes adjustable line regulator.

MS, MD & SD	20-160psig
Acetylene	0-15psig
LPG	0-45psig
MSHP, MDHP & SDHP	50-300psig
- Manifold outlet ½" NPT
- 24" Flexible stainless steel pigtails with check valves.
- ½" Brass, silver brazed headers.
- MS & MD Acetylene systems include: 300scfh flashback arrestor and pigtails with individual flashback arrestors and check valves

Ordering Information

Specify: Control Type (V) – Service (W) – Number of Cylinders (X) Header Configuration (Y) Mounting (Z)

Example1: MD-9-12VF represents MD with oxygen gas service and a vertical crossover bank of 6 cylinders per side is mounted on a floor stand

Example2: MSHP-7-6 represents MSHP with in nitrogen gas service a standard header configuration of 3 cylinders per side which is mounted on the wall

Control Type (V)	Gas Service (W)	No. of Cyls (X)	Header Configuration (Y)	Mounting (Z)
SD MS MD Standard delivery pressures for SD, MS & MD units Most gases 20-160 psig Acetylene 0-15 psig LPG 0-45 psig MSHP (only available for non-fuel gas service) Standard delivery pressure All Gases 40-300psig	(1) Acetylene (POL) CGA 510 (1A) Acetylene (commercial) CGA 300 (2) Breathing Air CGA 346 (3) Argon CGA 580 (4) Carbon Dioxide CGA 320 (5) Helium CGA 580 (6) Hydrogen CGA 350 (6A) Argon/Methane Mixtures CGA 350 (7) Nitrogen CGA 580 (7A) Industrial Air/Nitrogen OP CGA 590 (8) Nitrous Oxide CGA 326 (9) Oxygen CGA 540 (10) Liquefied Fuel Gas LPG CGA 510		Blank- Standard 10" on center 13" on center for Acetylene & LPG S- Staggered 5" on center 6.5" on center for Acetylene & LPG V- Vertical crossover Standard 10" on center 13" on center for Acetylene & LPG C- Crossover (Floor Mount Only) Standard 10" on center 13" on center for acetylene & LPG U- Shaped - Drawing Required L- Shaped - Drawing Required	Blank = Wall Mount F = Floor Mount

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Design Lengths

Total No. of Cylinders	2	3	4	5	6	7	8
MS Standard (10" centers) Overall Manifold Length	2' 9" (0.84m)	3' 7" (1.09m)	4' 5" (1.35m)	5' 3" (1.60m)	6' 1" (1.85m)	7' 0" (2.13m)	7' 10" (2.39m)
MS Staggered Design (5" centers) Overall Manifold Length	2' 4" (0.74m)	2' 9" (0.84m)	3' 2" (0.97m)	3' 7" (1.09m)	4' 0" (1.22m)	4' 5" (1.35m)	4' 10" (1.47m)
MS Vertical Crossover (10" Centers) Overall Manifold Length	1' 11" (0.58m)	N/A	2' 9" (0.84m)	N/A	3' 7" (1.09m)	N/A	4' 5" (1.35m)
MS Standard (13" Centers) Overall Manifold Length	3' 0" (0.91m)	4' 1" (1.22m)	5' 2" (1.57m)	6' 3" (1.91m)	7' 4" (2.24m)	8' 5" (2.57m)	9' 6" (2.90m)
MS Staggered Design (6.5" centers) Overall Manifold Length	2' 5.5" (0.75m)	3' 0" (0.91m)	3' 6.5" (1.08m)	4' 1" (1.25m)	4' 7.5" (1.41m)	5' 2" (1.57m)	5' 8.5" (1.74m)
MS Vertical Crossover and Crossover (13"centers) Overall Manifold Length	1' 11" (0.58m)	N/A	3' 0" (0.91m)	N/A	4' 1" (1.25m)	N/A	5' 2" (1.57m)

Design Lengths

Total No. of Cylinders	2	4	6	8	10	12	16
MD Standard (10" centers) Overall Manifold Length	2' 4" (0.71m)	4' 4" (1.32m)	6' 0" (1.83m)	7' 8" (2.34m)	9' 4" (2.85m)	11' 0" (3.35m)	12' 8" (3.86m)
MD Staggered Design (5" centers) Overall Manifold Length	2' 4" (0.71m)	3' 6" (1.07m)	4' 4" (1.32m)	5' 2" (1.57m)	6' 0" (1.83m)	6' 10" (2.08m)	7' 8" (2.34m)
MD Vertical Crossover (10" Centers) Overall Manifold Length	N/A	2' 8" (0.81m)	N/A	4' 4" (1.32m)	N/A	6' 0" (1.83m)	N/A
MD Standard (13" Centers) Overall Manifold Length	2' 4" (0.71m)	4' 9" (1.47m)	7' 0" (2.13m)	9' 2" (2.79m)	11' 4" (3.45m)	13' 6" (4.11m)	15' 8" (4.77m)
MD Staggered Design (6.5" centers) Overall Manifold Length	2' 4" (0.71m)	3' 9" (1.14m)	4' 10" (1.47m)	5' 11" (1.80m)	7' 0" (2.13m)	8' 1" (2.46m)	9' 2" (2.79m)
MD Vertical Crossover and Crossover (13"centers) Overall Manifold Length	N/A	2' 8" (0.81m)	N/A	4' 10" (1.47m)	N/A	7' 0" (2.13m)	N/A