Hy-Lok

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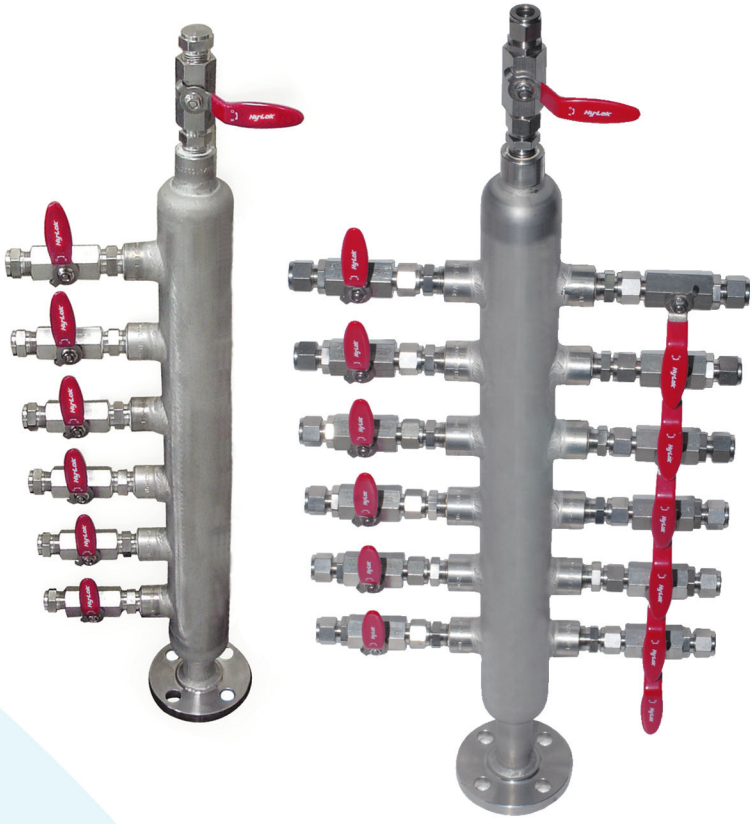
Catalog No. H-AM
Jan. 2008

AM Series

Air Manifold



Design and Engineering

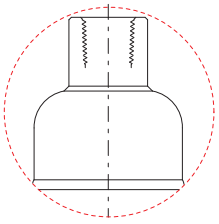
- To customer specification
- Standard materials - CS, SS, Alloy and special materials are available upon request.
- Single and double side configurations.
- Pressure rating up to 5000psig(340bar) @ 100°F(38°C)
- Ball or Needle valve applicable
- Vent & Drain port - with male or female thread
- Dimensions - Pipe N.B 1", 2"...
- Connections(distribution pipe) - Inlet, Outlet : Male or female pipe thread, Hy-Lok Tubing, Butt Weld, Socket Weld
- 100% factory tested.

Hy-Lok **HY-LOK CORPORATION**

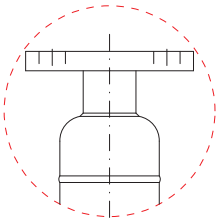
Technical drawings for specific dimensions are available per specific part number configuration which will determine the material, pipe schedule, number of valves, type of valves and the inlet and outlet types.

Standard specification

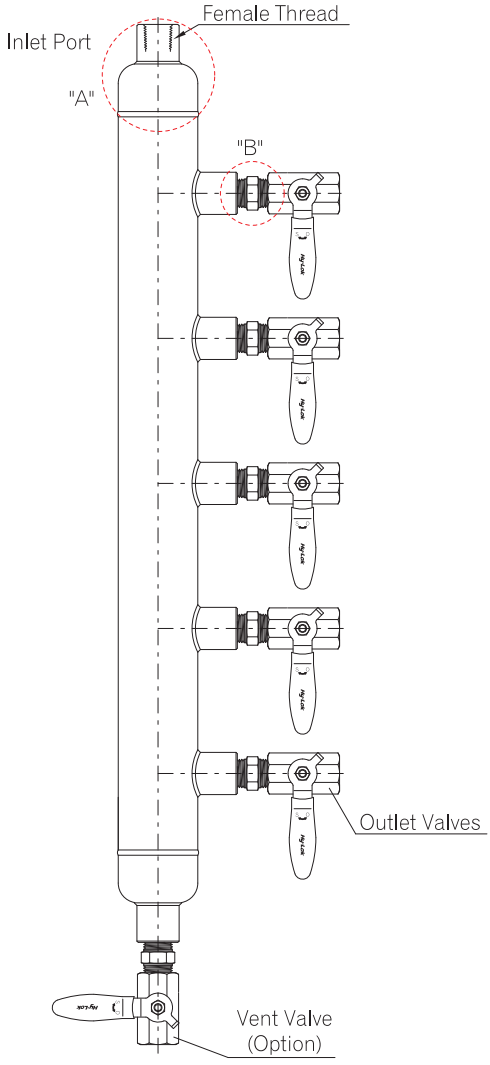
Maximum applicable pressure : Ball valve - Up to 1000 psig, Needle valve - Up to 5000 psig
Maximum applicable temperature : Ball valve with PTFE Seat - up to 82°C (180°F)
Needle valve with PEEK Packing - up to 315°C (600°F)
Refer to the Hy-Lok catalogue H-100NV for Needle Valve & H-110BV for Ball Valve



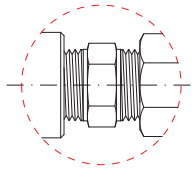
(Standard)
Female Thread Boss Type



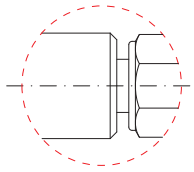
(Option)
Inlet Flange Type
Detail "A"



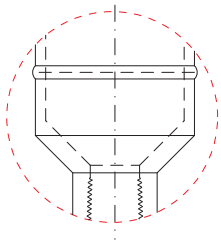
Single Air Distribution Manifold



(Standard)
Pipe Thread to
Male Pipe Weld Type



(Option)
Tubing to
Tube Adapter Weld Type
Detail "B"



Integral Cap Boss

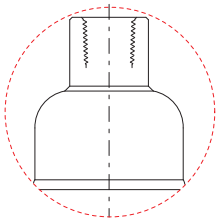
- Ordering information in the page plan
  e.g) AM16A8N5B8NVM / S316
- Order information which is correct in the different product refers to the page 4.

Draning is only for your reference.

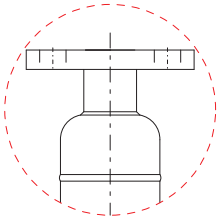
Below sample drawing for a double sided manifold shows standard dimensions for reference only. Technical drawings for specific dimensions are available per specific part number configuration which will determine the material, pipe schedule, number of valves, type of valves and the inlet and outlet types.

Standard specification

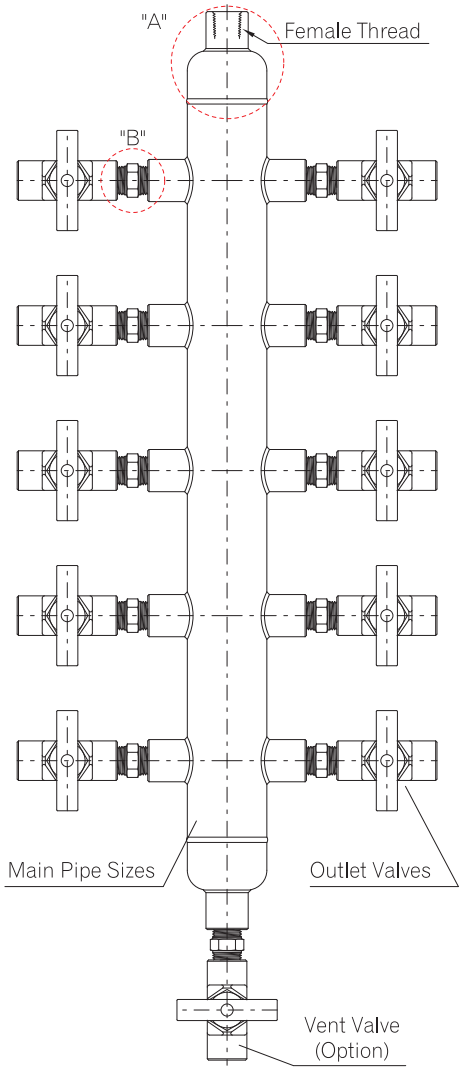
Maximum applicable pressure : Ball valve - Up to 1000 psig, Needle valve - Up to 5000 psig
Maximum applicable temperature : Ball valve with PTFE Seat - up to 82°C (180°F)
Needle valve with PEEK Packing - up to 315°C (600°F)
Refer to the Hy-Lok catalogue H-100NV for Needle Valve & H-110BV for Ball Valve



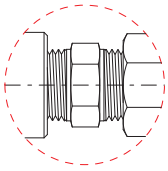
(Standard)
Female Thread Boss Type



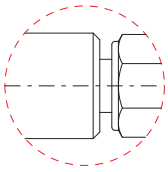
(Option)
Inlet Flange Type
Detail "A"



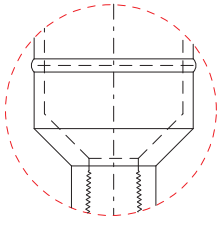
Double Air Distribution Manifold



(Standard)
Pipe Thread to
Male Pipe Weld Type



(Option)
Tubing to
Tube Adapter Weld Type
Detail "B"



Integral Cap Boss

- Ordering information in the page plan
  e.g) AM16A8N10N8NVM / S316
- Order information which is correct in the different product refers to the page 4.

Draning is only for your reference.

Ordering Informations

AM **16** **A** **4** **FF** **8N** **20** **B** **8C** **P** / **S316**

Series Designator
Air Distribution Manifolds

Pipe Schedule Designator
A : Sch.40
B : Sch.80

Inlet Flange Designator
Nil : Boss Ends

Inlet Connection Designator

Number of outlet ports Designator
15 : single sided 5valves : 5
110 : single sided 10valves : 10
25 : double sided 5valves : 10
210 : double sided 10valves : 20

Valve Type Designator
N : Needle Valves
B : Ball Valves

Outlet, Vent Valve Connections Designator

Optional Air Head Designator

Optional Air Head Designator
P : Vent plug on Outlet Valve
V : Vent valve
M : Panel mounting

Material Designator
S316 : 316 Stainless Steel
316L : 316L Stainless Steel
STEL : Carbon Steel
MONE : Alloy400 (Monel)
N316 : NACE MR-01-75 316 Stainless Steel

Pipe Sizes

Code	16	20	24	32	48
Designator	1" Pipe	1 1/4" Pipe	1 1/2" Pipe	2" Pipe	3" Pipe

Inlet Flange Designator

Code	1	2	3	4	5
Designator	1/2" Flange	3/4"Flange	1"Flange	1 1/4"Flange	1 1/2"Flange
Code	F			R	
Designator	Flat Face			Raised Face	
Code	F	G	H	I	J	L	K
Designator	150CL	300CL	400CL	600CL	900CL	1500CL	2500CL
Code	O	P	Q	R	S	T
Designator	JIS 5K	JIS 10K	JIS 16K	JIS 20K	JIS 30K	JIS 40K

Inlet, Outlet, Vent (Valves) Connections Designation

Code	4N	6N	8N	12N	16N
Designator	1/4" NPT Female	3/8" NPT Female	1/2" NPT Female	3/4" NPT Female	1" NPT Female
Code	4MN	6MN	8MN	12MN	16MN
Designator	1/4" NPT Male	3/8" NPT Male	1/2" NPT Male	3/4" NPT Male	1" NPT Male
Code	4T	6T	8T	12T	16T
Designator	1/4" Tubing	3/8" Tubing	1/2" Tubing	3/4" Tubing	1" Tubing
Code	4M	6M	8M	10M	12M
Designator	4mm Tubing	6mm Tubing	8mm Tubing	10mm Tubing	12mm Tubing
Code	4R	6R	8R	12R	16R
Designator	1/4" BSPT Female	3/8" BSPT Female	1/2" BSPT Female	3/4" BSPT Female	1" BSPT Female
Code	4W	6W	8W	12W	16W
Designator	1/4" Socket Weld	3/8" Socket Weld	1/2" Socket Weld	3/4" Socket Weld	1" Socket Weld
Code	4B	6B	8B	12B	16B
Designator	1/4" Butt Weld	3/8" Butt Weld	1/2" Butt Weld	3/4" Butt Weld	1" Butt Weld

*Safety Notes :

1. Use safe work practices when using the air distribution manifold.
2. Do not separate the end connectors from the body of the manifold.
3. Safely operate valves by hand. Avoid using wrenches to actuate valves.
4. Do not remove vent plug or disassemble any part of the manifold while positive pressure is present.

Sour Gas Service

Valves can be manufactured for sour gas service in accordance with NACE MR-01-75 latest revision.

* Contact your local representatives of Hy-Lok Corporation for more information of these products and additional options.