

Air Header Distribution Manifold are designed to distribute Instrument air to several Final control elements in industry.

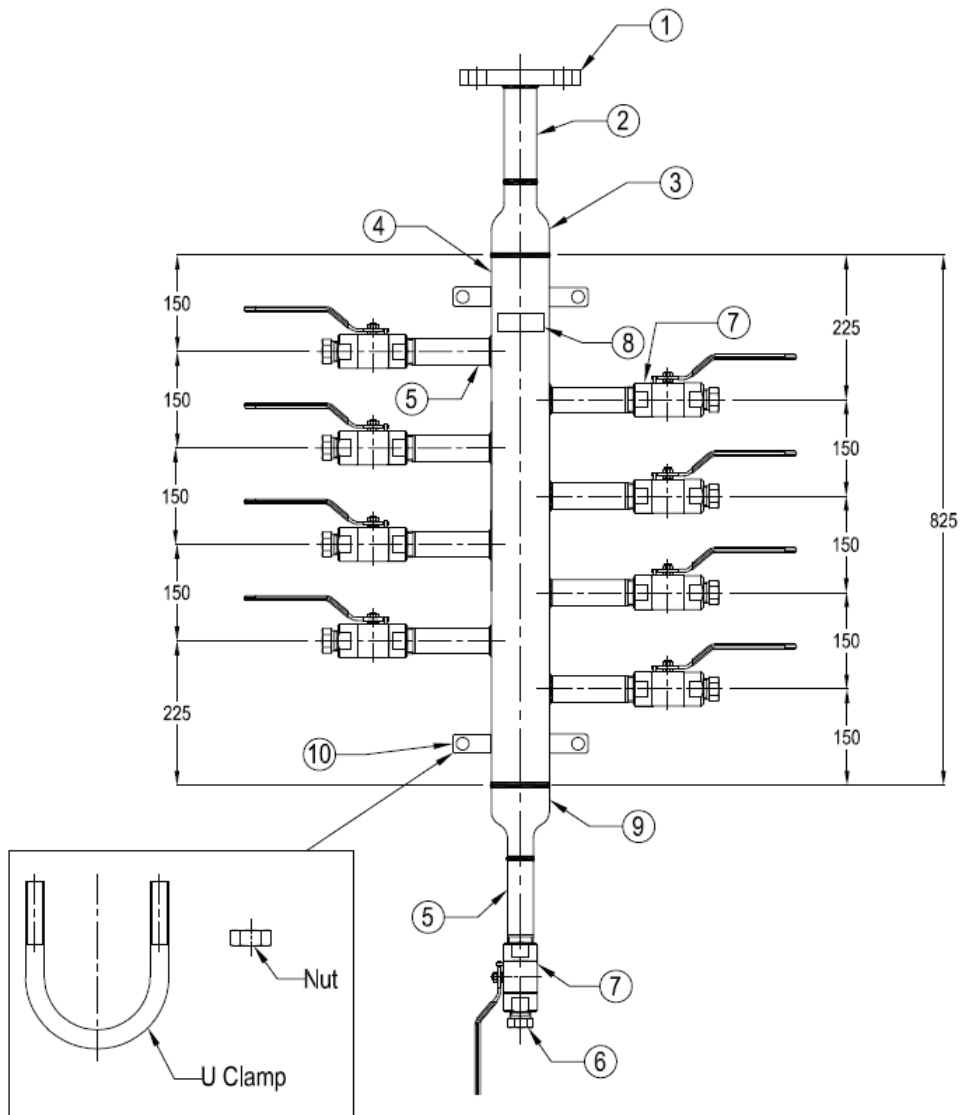
Our Standard Instrument air manifold shall made out of 2"NB Sch.40 (or Sch.80) Seamless pipe, Pipe fittings, Air it ct connection Fed.

Air outlet & Drain connection with ½" NPT(F) Ball valves. Standard distance between two adjacent tapping shall be 150 mm.

Besides our Standard Construction, e also supply the air headers in accordance with customer specific requirements.

**Standard Construction**

Typical 8-way Air Header Distribution Manifold with offset outlets



Notes : • Drawings are not to scale. • All Dimensions are in mm.

**Bill of Material - Standard version**

<b>BILL OF MATERIAL OF OUR STANDARD 8-WAY AIR HEADER</b>			
Sr. No.	DESCRIPTION / SIZE	MOC	QTY
1	FLANGE 1" 300# RF ANSI B16.5	SS 316	01 NO.
2	NIPPLE 1" SCH.40 (OR SCH.80)	SS 316	01 NO.
3	REDUCER 2"x1" SCH.40 (OR SCH.80)	SS 316	01 NO.
4	PIPE 2" SCH.40 (OR SCH.80)	SS 316	AS REQUIRED (MTRS)
5	NIPPLE 1/2" 100 mm LONG SCH.40 (OR SCH.80)	SS 316	09 NOS
6	PLUG 1/2"NPT(M)	SS 316	09 NOS
7	BALL VALVE 1/2"NPT(FxF) PRESSURE RATING 3000 psi	SS 316	09 NOS
8	NAME PLATE FOR AIR HEADER	SS 316	01 NO.
9	REDUCER 2"x1/2" SCH.40 (OR SCH.80)	SS 316	01 NO.
10	2" PIPE MOUNTING BRACKET WITH U CLAMP & NUT	SS 316	AS REQUIRED (NOS.)

**How To Order**
**Body Material**

04 = SS 304                      10 = SS 316L  
 06 = SS 316 (std)            12 = SS 316 / SS316L (Dual Certified)

**Header Size**

H240 = Seamless Pipe 2" Sch 40            H280 = Seamless Pipe 2" Sch 80

**No. of outlet ports**

06	6 Outlets (3 on each side)	06O	6 Outlets (3 on each side, offset)
08	8 Outlets (4 on each side)	08O	8 Outlets (4 on each side, offset)
10	10 Outlets (5 on each side)	10O	10 Outlets (5 on each side, offset)
12	12 Outlets (6 on each side)	12O	12 Outlets (6 on each side, offset)

**Inlet**

B21 = Flange 1" Class 150 RF            B22 = Flange 1" Class 300 RF

**Outlet Port**

BV44 = Ball Valve 1/2" NPT (F)            NV44 = Needle Valve 1/2" NPT (F)  
 BV24 = Ball Valve 1/4" NPT (F)            NV24 = Needle Valve 1/4" NPT (F)

**Drain Connection**

BV44 = Ball Valve 1/2" NPT (F)            NV44 = Needle Valve 1/2" NPT (F)  
 BV24 = Ball Valve 1/4" NPT (F)            NV24 = Needle Valve 1/4" NPT (F)

**Options**

<b>GH</b> : Material test certificate*	<b>MB</b> : Mounting Bracket for 2" Pipe c/w "U" bolts
<b>GO</b> : Hydro test certificate	<b>IG</b> : IGC Test (For wetted parts)
<b>SX</b> : Tag Plate in SS.	<b>PM</b> : PMI Test (For Exposed wetted parts only)
<b>LP</b> : Liquid Penetrant Test on weld joints	
<b>TF</b> : Compliance to NACE standard (Specify standard MR 0175, MR 0103, ISO 15156 etc)	

\* Material test certificate will be provided for wetted parts only with chemical composition testing. for others, please consult factory.

**Example**

To place an order simply refer to the codes in the table.

Basic Model + Body Material + Header Size + No. of Outlet ports + Inlet + Outlet Port + Drain Connection + Options

AHDM + 06 + H240 + 06 + B21 + BV44 + Bv44 + GH .... + PM

Note :

Testing :

- Every valve is hydrostatically tested at ambient temperature.

**Safe Product Selection**

When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, Adequate ratings, proper installation, operation and maintenance are the responsibilities of the system designer and user.

Caution: Do not mix or interchange parts with those of other manufacturers.

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing .  
 Modifications may take place and materials specified may be replaced by others without prior notice.