

AIR HEADER

MODEL AIRH



Overview

Air Header is a series of multiple valve assemblies mainly used for distribution of instrument compressed air within the plant for various utilities.

Air Header designs in a such way that it has single inlet connection and multiple valve outlet connections.



Operating Principle

Air Header is consisting of main piping inlet, multiple instrument outlets (manifolds) and drain valve. Air Headers is a substitute for multiple valve assemblies for compressed air, which normally operates from one originating point and distribute & control from one inlet to multiple outlets for use in plant or facility.



Salient features

- Distribution pipe size
- Lever operated ball valves with locking device
- Outlet port: ball valves/ needle valves
- Pressure rating: max. Working pressure 40 bar (580 psi)
- Max. Temperature 50°C (122°F)



Specifications

| | |
|-----------------------------|--|
| Size | 1" to 4" |
| Material | SS316, Carbon Steel, Inconel, Super Duplex, Hastelloy, Monel, 6 MO |
| Schedule | SCH 40, SCH 80, SCH 160, SCH XXS |
| Length | 8" Or Larger |
| No. Of Outlet Ports | 4 Ways To 20 Ways |
| Valve Type | Ball Valve & Needle Valve |
| Valve End Connection | Female Threaded, Male Threaded |
| Working Pressure | Upto 10,000 PSI |
| Body Type | Seamless Pipe, Bar Stock |
| Options | Mounting Bracket |



Applications

- Oil & Gas Equipments
- Offshore Technology
- Seawater Desalination Plants
- Chemical Industry
- Storage Tanks
- Pressure Vessels, Reactor Tanks, & Heat Exchangers
- Power Plants
- Petrochemical



Model Selection

Model Code: AIRH - **X₁** **X₂** **X₃** **X₄** **X₅** **X₆** **X₇** **X₈**

| Manifold Pipe Size | X ₁ |
|--------------------|----------------|
| 1" | 1 |
| 2" | 2 |
| 3" | 3 |
| 4" | 4 |

| Inlet Port type (ASME) | X ₂ |
|------------------------|----------------|
| RF Flange 150# | RF150 |
| Ring Flange 150# | RG150 |
| RF Flange 300# | RF300 |
| Ring Flange 300# | RG300 |

| Inlet Port type (Threaded) | X ₂ |
|----------------------------|----------------|
| ¼" NPT (F) | A |
| ½" NPT (F) | B |
| ¾" NPT (F) | C |
| 1" NPT (F) | D |

| Inlet Size | X ₃ |
|------------|----------------|
| ½" | E |
| ¾" | F |
| 1" | G |
| 2" | H |

| No. of Outlet Port | X ₄ |
|--------------------|----------------|
| 4" | 4 |
| 6" | 6 |
| 8" | 8 |
| 10" | 10 |
| 12" | 12 |
| 16" | 16 |
| 20" | 20 |

| Outlet Port Type | X ₅ |
|---------------------------|----------------|
| Ball Valve Lever Operated | BV |
| Needle Valve | NV |

| Inlet Size | X ₆ |
|------------|----------------|
| ¼" | A |
| ⅜" | B |
| ½" | C |
| 1" | D |

| Outlet Valve Configuration | X ₇ |
|----------------------------|----------------|
| Both Side | BS |
| Right | R |
| Left | L |

| Drain Valve Outlet Size | X ₈ |
|-------------------------|----------------|
| ½" | A |
| 1" | B |
| 2" | C |



How To Order

AIRH - 1 - RF150 - E - 4 - BV - A - BS - A

1: Manifold Pipe Size = 1"

RF150: Inlet Port type (ASME) = RF Flange 150#

E: Inlet Size = ½"

4: No. of Outlet Port = 4"

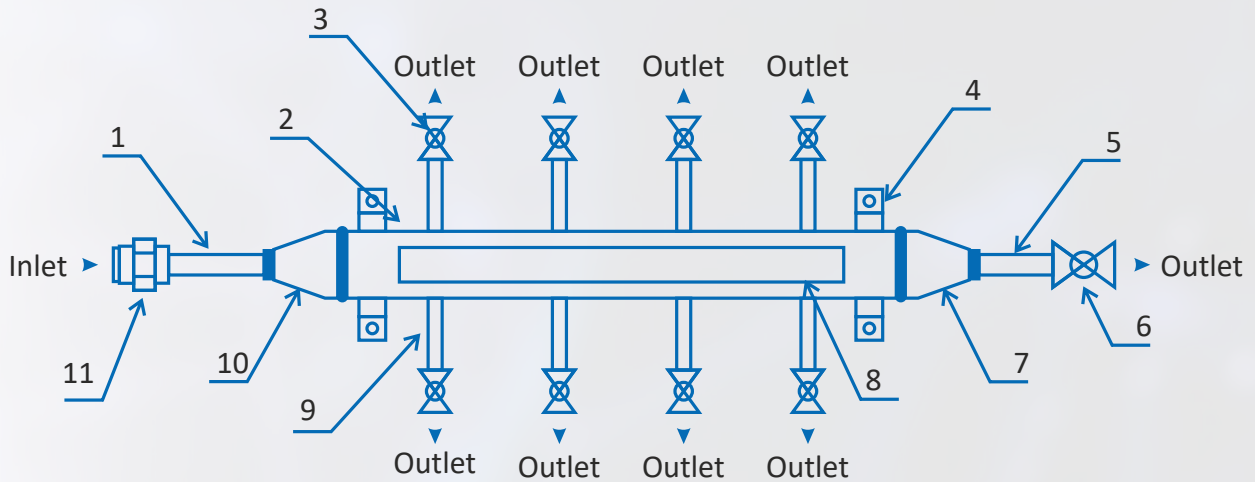
BV: Outlet Port Type = Ball Valve Lever Operated

A: Inlet Size = ¼"

BS: Outlet Valve Configuration = Both Side

A: Drain Valve Outlet Size = ½"

Diagram: Standard Version



- 1. Nipple
- 2. Pipe
- 3. Ball Valve
- 4. Bracket For Mounting
- 5. Nipple
- 6. Ball Valve
- 7. Concentric Reducer
- 8. Tag Plate
- 9. Nipple
- 10. Concentric Reducer
- 11. Flange Connection

Why Choose Us?

With our manufacturing presence in SAIF Zone, Sharjah, UAE, we are able to offer



Variety of Graded Raw Material, sourced from Europe, Japan & North America



Intrusive Stage-wise Inspections as per Requirements



Compliance to NDE Requirements as per Project Specifications



10+ years of Experience in Operation



Instant Availability Of Spare Parts



Prompt Site Service Support within the UAE And GCC



200+ Clients Worldwide



Team of 30+ Technical Professionals



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