

AIR HEADER

FDI - AH - 715



INDEX

- Introduction
- Features
- Pressure Rating
- Temperature Rating
- Order Guide & Recommended Spares

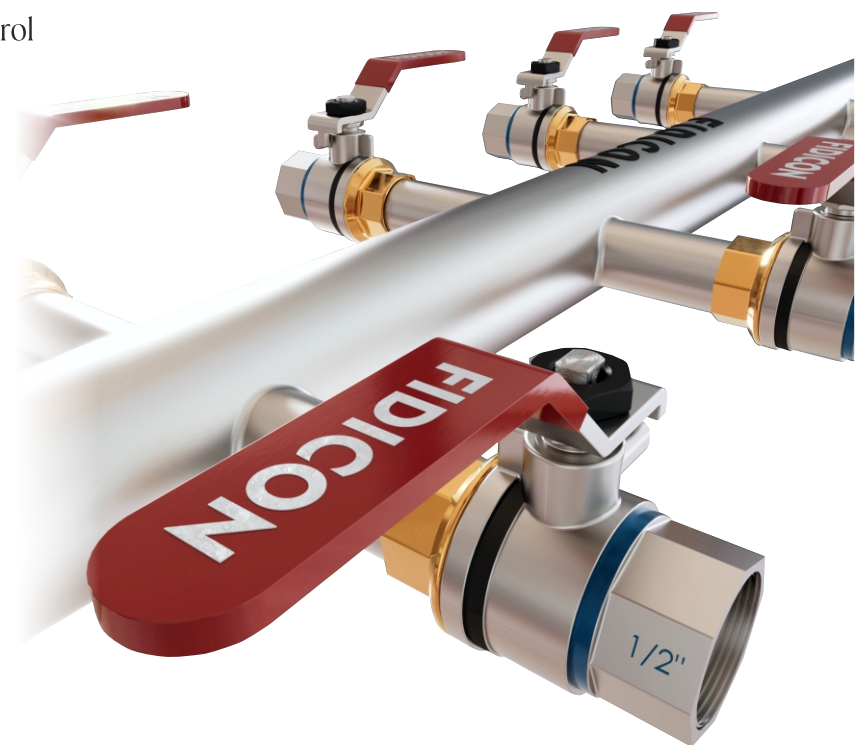


INTRODUCTION : AIR HEADER

Air Header is a unit mainly used to distribute & control compressed Air from one Inlet to Multiple Outlets for use in Plant or facility. It is most commonly used for distribution of Instrument compressed air within the plant for various utilities.

Looking out for attaching multiple valves to a single outlet but wondering how to do it. Well, we might have just the right solution for you. Air Header is a series of multiple valve assemblies that operate from one originating point.

air header manufacturers in India designed these valves in a way that they can accommodate various valves. The inlet connection of the valve has multiple outlet connections. The instrument air header has a lockable handle that prevents unwanted manual actuation of the outlet valve. Moreover, these air header manifolds also reduce the assembly time. The instrument air distribution manifold has multiple chambers with multiple branches of outlets that deliver air to several consumers.



Air Headers are used to supply several users with instrumentation air. Besides multiple types of standard styles we also supply the Air Headers in accordance with specific customer demands. An air distribution header is characterized by an inlet on one end, a drain on the other end, with multiple outlets on the sides. Typical air distribution headers are manufactured from a piece of pipe and feature welded or threaded end connections. Typically, an air header has a main isolation valve and several outlets, each with its own isolation valve. For potentially wet gases, such as compressed air or steam, it is best to install the air header vertically with a drain valve at the bottom. Selection can be made from a comprehensive range of pipe styles with a variety of connections and material options, optimizing installation and access opportunities. Continuous product development from time to time necessitate changes in the details contained in this catalogue. reserves the right to make such changes at their discretion and without prior notice.

FEATURES

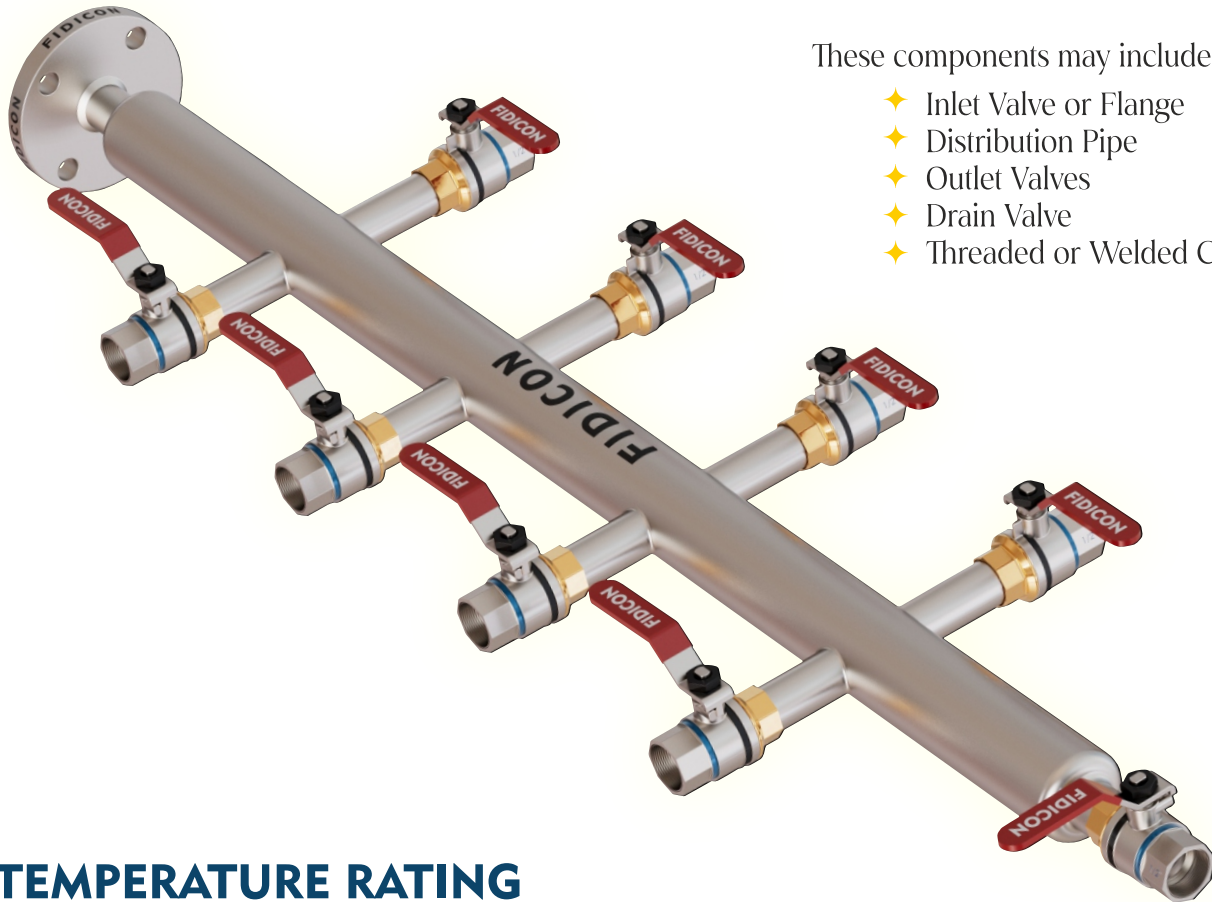
- ◆ Maximum Number of Outlets are 20.
- ◆ Minimum Number of Outlets are 4.
- ◆ SS 316 as a standard material of construction. Other materials are available upon request.
- ◆ Radiographic Testing & Liquid Penetrate Testing of Welds.
- ◆ Maximum Working Pressure up to 3000 psig (206 bar).
- ◆ Maximum Working Temperature up to 400°C (750°F).
- ◆ Leak-tight performance testing for every valve under nitrogen condition at the maximum working pressure.
- ◆ Ball Valves & Needle Valves available for distribution lines and drain port.
- ◆ A choice of high-quality valves and end connections, all manufactured by .
- ◆ Colour coded handles available.
- ◆ Distribution lines available upon request.

INTRODUCTION : AIR HEADER

PRESSURE RATING

The pressure ratings of air header assemblies are based on the ratings of the distribution pipe, inlet flange and the valves selected for the inlet, outlet and drain. The component with the lowest pressure rating at any given temperature limits the pressure rating.

The valve with the most restrictive temperature rating limits the temperature rating. The working pressure of the air header manifold assembly will be determined by its component with the lowest pressure rating.



These components may include following:

- ✦ Inlet Valve or Flange
- ✦ Distribution Pipe
- ✦ Outlet Valves
- ✦ Drain Valve
- ✦ Threaded or Welded Connection

TEMPERATURE RATING

The temperature rating depends on the working temperature of the seat & packing materials of inlet, outlet & drain valves.

- ✦ Ball Valves with Delrin up to 80°C (175°F)
- ✦ Ball Valves with PEEK Seats up to 232°C (450°F)
- ✦ Needle Valves with PTFE Packing up to 232°C (450°F)
- ✦ Needle Valves with Graphite Packing up to 400°C (750°F)

For pressure temperature ratings of ASME B16.5 flanges, see ASME B16.5 (2013) Table 2-2.3 & Table F2-2.2.

For Pressure temperature ratings of EN 1092-1 flanges, see EN 1092-1 (2007) + AI (2013) Table G.4.1-4 for PN 16, Table 4.1-5 for PN 25, Table G.4.1-6 for PN 40 & Table G.4.1-8 for PN 100.

RECOMMENDED DISPOSAL

- ✦ Give it back to us & we will take care of recycling & possible disposal.
- ✦ User can dis-assemble the product in multiple stage
- ✦ The above may be handed over (state pollution board), authorized re-cycler item-wise.



ENQUIRY SPECIFICATIONS:

- [1] Service Media Details.
- [2] Types of Valve, Nos. of Valve / Outlet Port QTY.
- [3] System Operating and Design Pressure.
- [4] System Operating and Design Temperature.
- [5] Material Specifications (Body, Internal)

RECOMMENDED SPARES

- [1] Valves

OTHER RANGE OF PRODUCTS

- [1] Flame Arrester
- [2] Breather Valve
- [3] Level Indicators
- [4] Rotameters
- [5] Emergency Relief Valve
- [6] Gauge Hatch
- [7] Strainers
- [8] Pressure Reducing Valve
- [9] Safety Relief Valve
- [10] Flowmeters
- [11] Level Switches
- [12] Pressure Reducing Station
- [13] Level Gauge, etc.



Any Query?

Contact us to Discuss,

Phone No: +91-2646-222238/223412

Mobile No: +91-9824418777

sales@fidicondevices.com

info@fidicondevices.com

Address: Plot No. 1706/12, GIDC Ankleshwar,
Dist.: Bharuch, Gujarat, India 393002.