FLUID CONTROLS®

AIR DISTRIBUTION MANIFOLD

DESCRIPTION

Fluid Controls® Air Distribution Manifolds are specially designed for delivering air to multiple off-take points. These are custom manufactured to suit client requirements for material, number of outlets and the valve configuration. Each Air Distribution Manifold is a combination of needle and/or ball isolation valves which are fitted to each off-take point along with a drain valve. The Fluid Controls® Air Distribution Manifold can be provided along with mounting brackets.

TECHNICAL DATA

Pressure Rating	:	Standard upto 40 kg/cm^2 (569 psig) Pneumatic pressure upto 120/kgcm^2(1704 psig) also available Designed as per - ASME SEC - VIII Div - I Fabrication & welding as per - ASME SEC IX
Material	:	Carbon steel, SS 304, SS 316, SS 304L also available SS 316 L Material certificate according to EN 10204/3.1b
Types of Valves	:	Isolation Needle valve & full bore / reduce bore ball valve
Type of Ports	:	Valves are available for three types of ports **1)** Inlet port - DIN & ASME flanges or threaded connection **2)** Outlet port - No. of outlet port 2 or as per customer requirement max 20 **3)** Drain port - As per customer requirement
Type of End Connections	:	**1)** Tube ends : Single ferrule compression tube ends : Double ferrule compression tube ends **2)** DIN & ANSI flanges **3)** Threaded connection (BSP, NPT)
Mounting Arrangement	:	Three types: **1)** U' - clamps and bolts Mounting **2)** Bracket Mounting **3)** Wall or Rack Mounting
Design and Testing Standards Followed	:	ISO/ISA



CONNECTION VALVE SIZES	
NPT (F)	BSP (F)
1/4"	1/4"
3/8"	3/8"
1/2"	1/2"

DISTRIBUTION PIPE SIZE AND SCHEDULE		
SIZE	**SCHEDULE**	**AVAILABILITY**
1" NB pipe standard	40/80/160/XXS	YES
2" NB pipe standard		YES
3" NB pipe standard		YES
4" NB pipe standard		YES

FLUID CONTROLS®

CONDENSATE POT

DESCRIPTION

Fluid Controls® Condensate Pots are specially designed to catch hold condensate and foreign material, thus preventing damage to the metering system and/or manifold. These are custom manufactured to suit client and project applications Fluid Controls® Condensate Pots are available in a variety of materials and finishes. Standard pipe sizes are 2" to 6" and a variety of connections fittings can be provided.



TECHNICAL DATA

Function	:	Condensate pots or chambers are used in measurement of steam or other vapors which condensate to liquid state at ambient temperature
Process		The condensate is drained from the bottom valve connection and are suitable for use with our range of ball valves
Material	:	The condensate pots or chambers are available in a range of materials & have been designed accordance with ASME VIII Div I Carbon steel, SS 304, SS 316, SS 304L also available SS 316 L NACE
Design Temperature	:	Upto 100°C (212°F)
Hydro Shell Pressure	:	Upto 150 kg/cm^2 [2100(psi)]@ ambient temperature, other pressure & temperature conditions are available on request as special order
Construction	:	Method of construction is to machine and weld flat plates of proper thickness or pipe sections. Threaded ends are available while socket and butt weld ends need length to be specified
Welding	:	All welding as per ASME Sec IX
Application	:	Refineries, liquid petroleum gas, processing plant, petro-chemical plant, also if system Difficult to shur off due to solid contents dust, rust, dirt. etc.
Sizes	:	2", 3" and 4" large size upto 8"
Length	:	Pipe length 8" Larger length available upon request
Pipe Schedule	:	40, 80,160, XX Seamless Pipe
Features	:	½" NPT as per ANSI B 1:20:1 taper pipe thread Socket weld as per ANSI B 16.11 Butt weld as per ANSI B 16.9 All carbon steel condensate pots are hot deep galvanized All condensate pot are 100% tested at factory prior to shipment Ends will be protected with dead plug/plastic caps
Certifications	:	IBR form IIIC available on request Chemical & Physical Butt weld joints will be tested for 100% radiography and fillet will be D.P. Tested

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