

**\$ SHRIDHAN**<sup>®</sup>  
Automate your Field



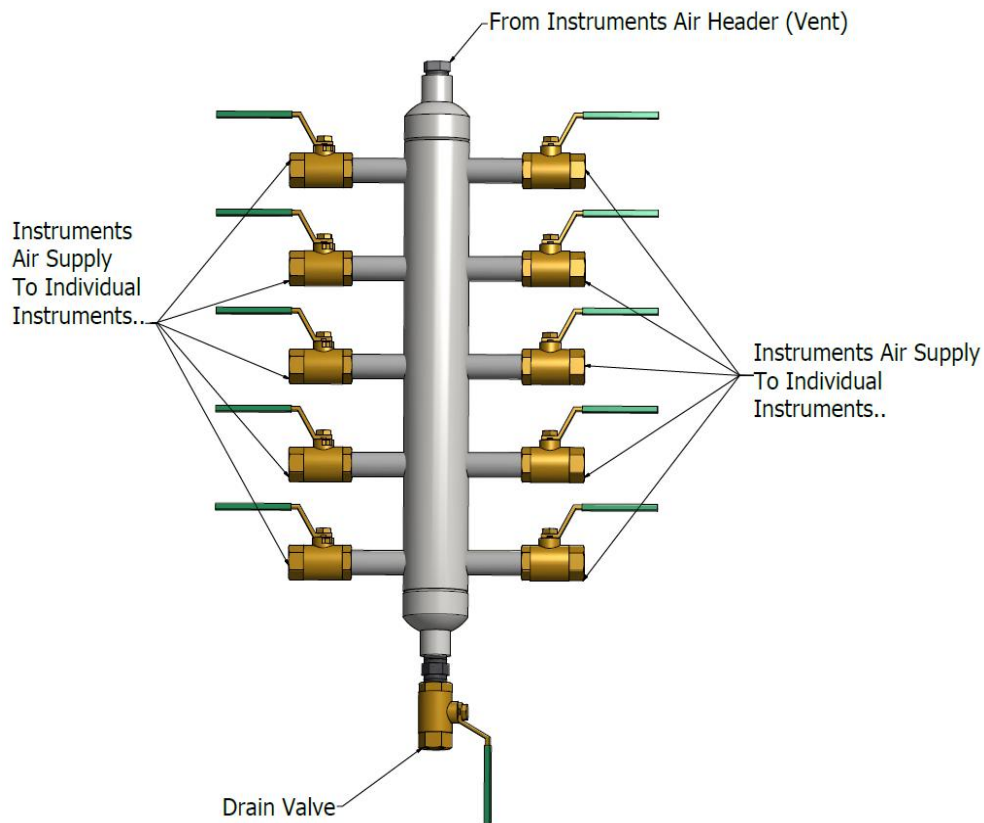
**AIR DISTRIBUTION  
SYSTEMS**

## AIR DISTRIBUTION SYSTEMS

Air distribution manifold is a pipe shaped chamber (manifold) with several branches of outlets for delivering instrument air to multiple consumers such as control valve, actuated valve or other pneumatic operated instrument.

The number of outlet of an instrument air distribution manifold may vary depend on the number of nearby pneumatic instrument or valve. Each outlet is fitted with block valve which could be of ball valve or needle valve type. Each outlet should have instrument tag number to which the outlet delivered the instrument air. At the bottom of instrument air distribution manifold, a block valve is fitted for drain purpose. This drain valve is required during maintenance to bleed the built-up condensed liquid.

**Application:** To carry and distribute gases and liquid processes from a wall or pipe mounting.



## TECHNICAL SPECIFICATIONS

Pressure rating	: Upto 200 Bar
MOC	: SS304, SS316, SS316L, Titanium, Hastelloy C-276, Monel 400, Inconel 625, Inconel 825
Type of valve	: Needle / Ball Valve
Types of Ports	: Inlet Port : Flange / Threaded Connection Outlet Port : As per customer requirement Drain Port : As per customer requirement
Type of end connections	: 1. Flange 2. Threaded Connection (BSP / NPT)Accuracy 3. Tube Ends (Single Ferrule compression / Double Ferrule compression)
Main body connection	: 1. With cap 2. With reducer
Outlet port connected with	: 1. Butt Weld
Main Body	2. Socket Weld
Mounting Arrangement	: 1. U Clamps with bolts 2. Bracket Mounting 3. Wall / Rack Mounting
Testing Applicable	: Hydro test / 100% X-Ray / DP / MPT / UT If Applicable.

CONNECTION		DISTRIBUTION PIPE SIZE AND SCHEDULE		
VALVE SIZES		SIZE	SCHEDULE	AVAILABILITY
NPT (F)	BSP (F)	1" NB pipe standard	40/80/160/XXS	Yes
1/4"	1/4"	2" NB pipe standard		Yes
3/8"	3/8"	3" NB pipe standard		Yes
1/2"	1/2"	4" NB pipe standard		Yes



INDIA

HEAD OFFICE & FACTORY

**SHRIDHAN Automation Pvt.Ltd.**

#B-54, KSSIDC Industrial Estate, Kumbalgodu, Mysore Road  
Bangalore-560074  
INDIA  
Phone: +91-80-28437847/848

UNIT 2:

**SHRIDHAN Automation Pvt.Ltd.**

#D-13, KIADB Industrial Area, Kumbalgodu, Mysore Road  
Bangalore-560074  
INDIA

Email : [info@shridhan.com](mailto:info@shridhan.com)  
Website : [www.shridhan.com](http://www.shridhan.com)

MIDDLE EAST

**Orbit Automation FZE**

#R4-40 , PO Box - 122828  
SAIF Zone, Sharjah, UAE  
( A 100% SUBSIDIARY OF SHRIDHAN Automation. , INDIA )  
Contact : +97155-9347963 / +97155-1883375  
Email : [me@shridhan.com](mailto:me@shridhan.com)

Indian Marketing Network

Mangalore | New Delhi | Ahmedabad | Pune | Mumbai | Chennai

International Marketing Network

Middle East | Singapore | Malaysia | Thailand | Netherlands | USA