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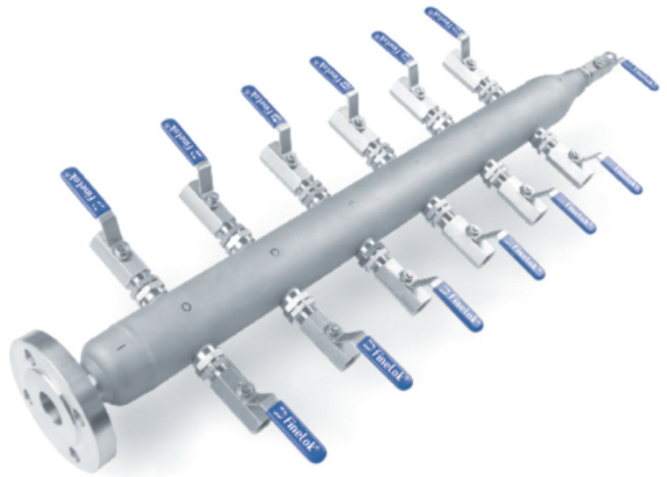
Air Headers and Distribution Manifolds

AH and DM Series



Finelok®
Instrumentation Solutions

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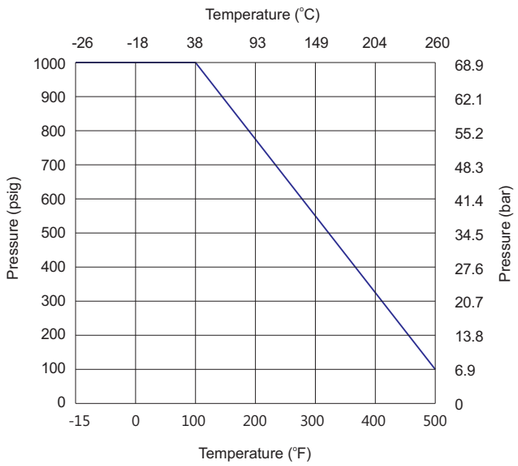
Features

◎ Distribution lines available upon request
◎ Ball valve, plug valve, needle valve available for distribution lines and drain port
◎ Color coded handles available
◎ Leak-tight performance testing for every valve under nitrogen condition at the maximum working pressure

Pressure vs. Temperature

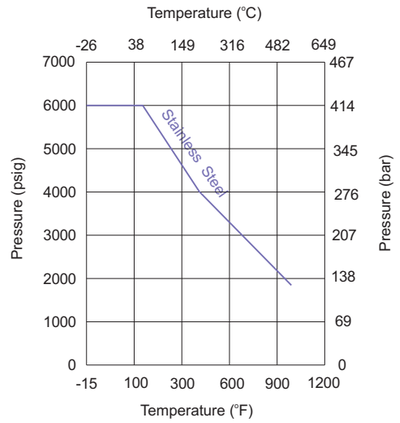
Air Headers

AH Series



Distribution Manifolds

DM Series



End Connections

AH Series

Part	Type	Size	Standard
Inlet Connection	Male NPT	1	ASME B 1.20.1, GB/T 12716
	Female NPT		
	Female BSP Tapered		ISO 7/1, DIN 2999, GB/T 7306.2
	Female BSP Parallel		ISO 228-1, DIN 3852, GB/T 7307
	Flange	NPS1 Class 150, NPS1 Class 300	ANSI B 16.5
		DN25 PN16, DN25 PN40	ASME B16.5, GB/T 9115.1, DIN 2634
Outlet Connection	Male NPT	1/4, 1/2	ASME B 1.20.1, GB/T 12716
	Female NPT		
	Fractional Tube Fitting	1/2"	FINELOK Tube Fitting
	Metric Tube Fitting	12 mm	
Drain Connection	Female NPT	1/4, 1/2	ASME B 1.20.1, GB/T 12716
	Male NPT		

DM Series

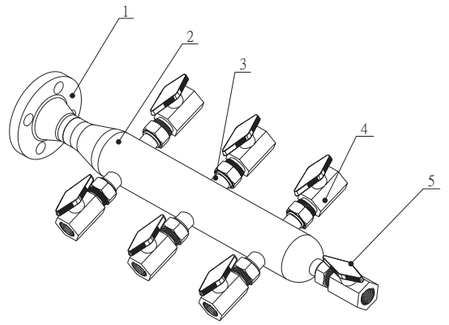
Part	Type	Size	Standard
Inlet Connection	Female NPT	1/2, 3/4, 1	ASME B 1.20.1, GB/T 12716
Outlet Connection	Female NPT	1/4, 3/8, 1/2, 3/4	
Drain Connection	Female NPT	1/2, 3/4, 1	

1. Size and types listed are standard. Other sizes and types are available upon request, refer to the ordering information.
2. For dimensions not shown above, please contact the authorized representative or FINELOK.

Construction

Air Headers

AH Series



Standard Materials of Construction

Item	Component	Material/ASTM Specification	
		Stainless Steel	
1	Inlet Valve	Ball Valve	
	Flange	304 SS/A182	316 SS/A182
2	Main Line	304 SS/A312	316 SS/A312
3	Branch Fitting	304 SS/A276	316 SS/A276
4	Distribution Valve	11B series ball valve as standard option	
5	Drain Valve	11B series ball valve as standard option	
	Plug	304 SS/A276	316 SS/A276

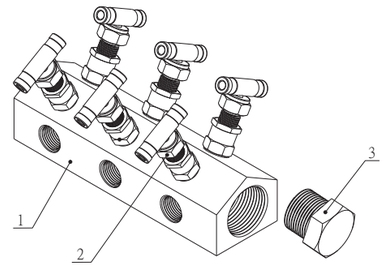
Optimized Setting of the Main Pipe and the Branch

Main Line Size	Quantity of Distribution Valve	Distance Between Two Outlet (mm)
NPS 2 (Sch 40)	6	100
	12	

1. Quantity of distribution valve listed are standard. Other sizes and types are available upon request, refer to the ordering information.
2. For dimensions not shown above, please contact the authorized representative or FINELOK.

Distribution Manifolds

DM Series



Standard Materials of Construction

Item	Component	Material/ASTM Specification	
		Stainless Steel	
1	Main Line	304 SS/A479	316 SS/A479
2	Needle Valve	NB series needle valve as standard option	
3	Plug	304 SS/A276	316 SS/A276

Carbon steel and other materials are available upon request

Optimized Setting of the Main Pipe and the Branch

Quantity of Outlet Connections	Types and size of Outlet Connections	Distance Between Two Outlet (mm)
4~18	1/4" female NPT	60

1. Quantity of distribution valve listed are standard. Other sizes and types are available upon request, refer to the ordering information.
2. For dimensions not shown above, please contact the authorized representative or FINELOK.

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Ordering Information

AH Series

SS—AH—FNT16Y—8SM12N—TNT8—S

Body Material	
SS	316 SS
S4	304 SS

Series	
AH	

Inlet Type	
FNT	Female NPT
FRT	Female BSPT
FRP	Female BSPP (For RP)
PS	Pipe Socket Weld
PB	Pipe Butt Weld
AM	Class 150 RF Smooth Flange (ANSI B 16.5)
AE	Class 150 RF Serrated Flange (ANSI B 16.5)
DM	PN 25 RF Smooth Flange (EN 1092)
DE	PN 16 RF Serrated Flange (EN 1092)
AMT	Class 300 RF Smooth Flange (ANSI B 16.5)
AET	Class 300 RF Serrated Flange (ANSI B 16.5)
DMT	PN 40 RF Smooth Flange (EN 1092)
DET	PN 40 RF Serrated Flange (EN 1092)

Inlet Size	
12	3/4
16	1
20	1 1/4
24	1 1/2
32	2

Inlet Valve	
	No
Y	Yes

Outlet Quantity	
4	
6	
8	
10	
12	
. . . . .	

Outlet Type	
FNT	Female NPT
NT	Male NPT
FRT	Female BSPT
RT	Male BSPT
FMS	Female Metric Thread (for RP)
MS	Male Metric Thread (for RG)
FRP	Female BSPP (For RP)
BP	Male BSPP (For RG)
S	Fractional Tube Fitting
SM	Metric Tube Fitting
UFB	Nut+Gasket +Fractional Bulge Nipple
UBW	Nut+Gasket+Metric Bulge Nipple

Outlet Size	
8	1/2" or 8 mm
10	M10 × 1 or 10 mm
12	3/4" or 12 mm
14	M14 × 1.5 or 14 mm

Outlet Valve/Plug	
	Valve
P	Plug
N	No

Drain	
	Valve with Plug
V	Valve
P	Plug
T	Male thread
N	No drain

Drain Type	
	None
FNT	Female NPT
NT	Male NPT
FRT	Female BSPT
RT	Male BSPT
FMS	Female Metric Thread (for RP)
MS	Male Metric Thread (for RG)
FRP	Female BSPP (For BP)
BP	Male BSPP (For RG)
S	Fractional Tube Fitting
SM	Metric Tube Fitting

Drain Size	
	None
8	1/2" or 8 mm
10	M10 × 1 or 10 mm
12	3/4" or 12 mm
14	M14 × 1.5 or 14 mm

Special Application	
	NO
S	NACE MR0175

CM Series

SS—DM—FNT16P—8FNT12—C—S

Body Material	
SS	316 SS
S4	304 SS

Series	
DM	

Inlet Type	
FNT	Female NPT
FRT	Female BSPT
FRP	Female BSPP (For RP)
PS	Pipe Socket Weld
PB	Pipe Butt Weld

Inlet Size	
8	1/2
12	3/4
16	1

Outlet Valve/Plug	
	Needle Valve
P	Plug

Outlet Quantity	
4	
6	
8	
10	
12	
. . . . .	

Outlet Type	
FNT	Female NPT
FRT	Female BSPT
FMS	Female Metric Thread (for RP)
FRP	Female BSPP (For RP)
PS	Pipe Socket Weld

Outlet Size	
4	1/4"
6	3/8" or M6 × 1
8	1/2"
10	M101 × 1
12	3/4" or M12 × 1.5
14	M14 × 1.5

Handle	
	Black Aluminum Bar
C	Red Aluminum Bar
F	Green Aluminum Bar
J	Blue Aluminum Bar
M	321 Stainless Steel Bar

Special Application	
	NO
S	NACE MR0175

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