

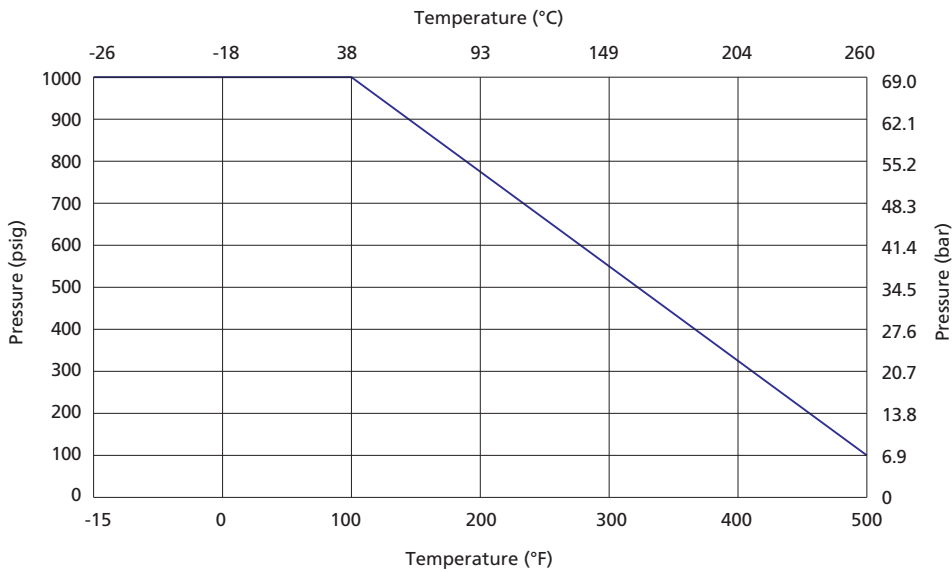
Features

- ⦿ 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

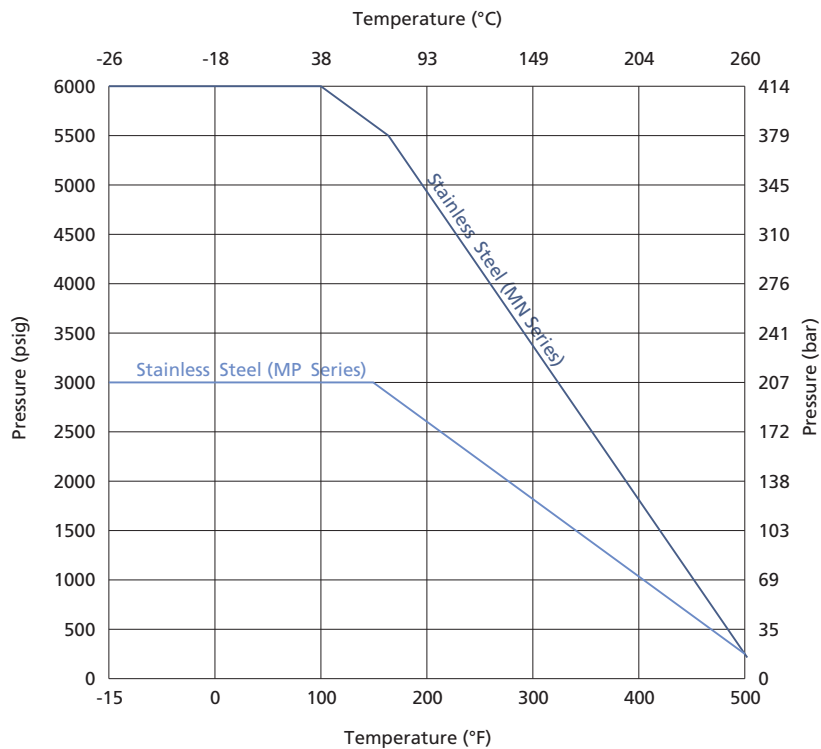
Pressure vs. Temperature

Air Headers

AP Series

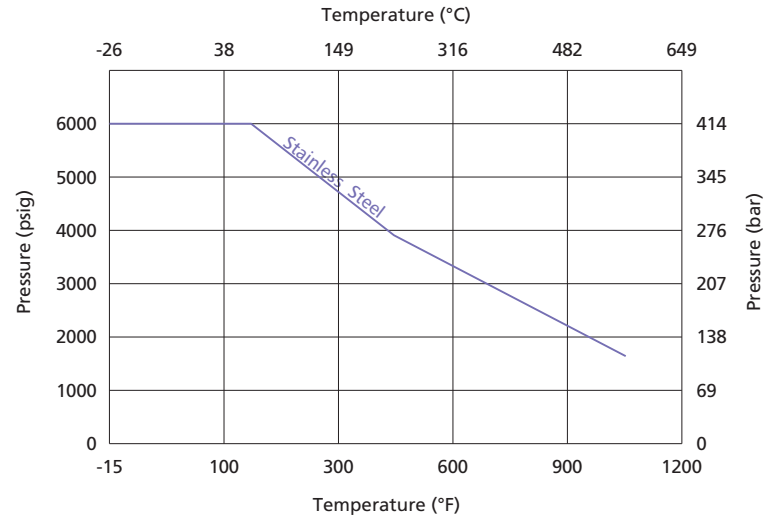


MP and MN Series



Distribution Manifolds

CM Series



End Connections

AP, MP, MN Series

Part	Type	Size	Standard
Inlet Connection	Male NPT	1	ASME B 1.20.1, GB/T 12716
	Female NPT		ISO 7/1, DIN 2999, GB/T 7306.2
	Female BSP Tapered		ISO 228-1, DIN 3852, GB/T 7307
	Female BSP Parallel		ANSI B 16.5
	Flange	Class 150, Class 300 DN25 PN16, DN25 PN40	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"	FITOK 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		

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 FITOK Group.

CM 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	

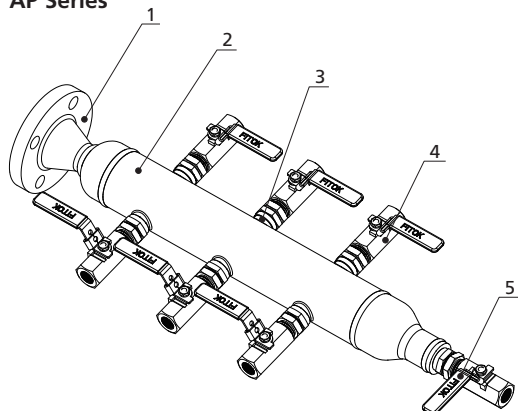
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Construction

Air Headers

AP Series



Standard Materials of Construction

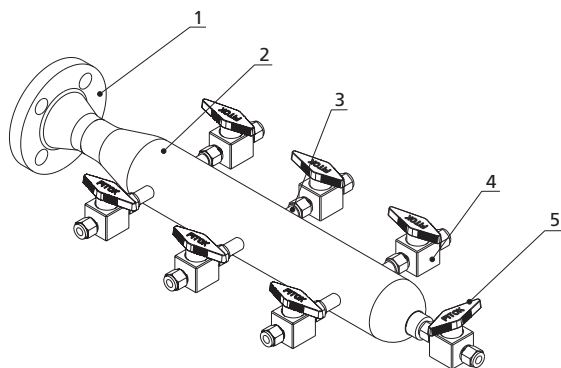
Item	Component	Material/ASTM Specification	
		Stainless Steel	
1	Inlet Valve	BG Series Ball Valve	
	Flange	304 SS/A182	316 SS/A182
2	Main Line	304 SS/A312	316 SS/A312
3	Branch Fitting	304 SS/A276	316 SS/A276
4	Distribution Valve	BR series ball valve as standard option	
5	Drain Valve	BR series ball valve 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 Valves	Distance Between Two Outlets (mm)
NPS 2 (Sch 10)	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 FITOK Group.

MP Series



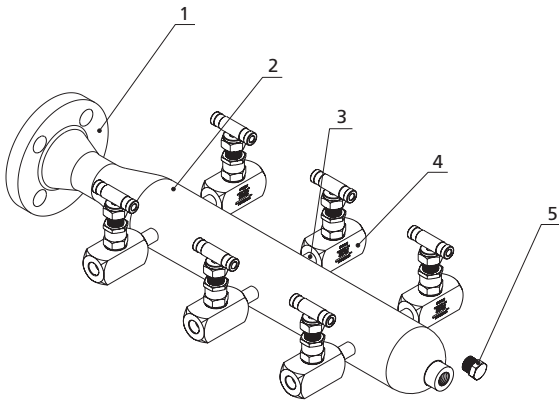
Standard Materials of Construction

Item	Component	Material/ASTM Specification	
		Stainless Steel	
1	Inlet Valve	BH Series 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	PV series plug valve as standard option	
5	Drain Valve	PV series plug 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 Valves	Distance Between Two Outlets (mm)
NPS 2 (Sch 160)	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 FITOK Group.

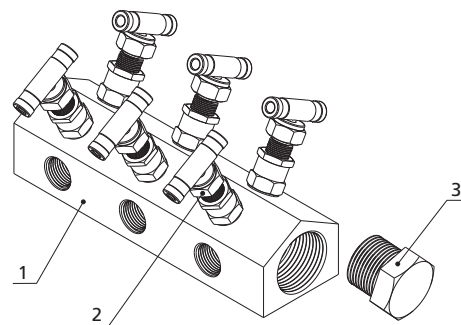
MN Series**Standard Materials of Construction**

Item	Component	Material/ASTM Specification	
		Stainless Steel	
1	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	NB/NF series needle valve as standard option	
5	Drain Valve	NB/NF series needle 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 Valves	Distance Between Two Outlets (mm)
NPS 2 (Sch 160)	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 FITOK Group.

Distribution Manifolds**CM Series****Standard Materials of Construction**

Item	Component	Material/ASTM Specification	
		Stainless Steel	
1	Main Line	304 SS/A479	316 SS/A479
2	Distribution Valve	NB series needle valve	
3	Drain 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 Outlets Connections	Distance Between Two Outlets (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 FITOK Group.

Part Number Description

AP Series

APSS – FNS16Y – 8NS12T – TNS8 – C – SF2

Series	Body Material	Inlet Type	Inlet Size	Inlet Valve	Outlet Quantity	Outlet Type	Outlet Size	Outlet Valve/Plug	Drain Valve/Plug	Drain Type	Handle	Special Application	Cleaning and Packaging
AP	316 SS	FNS	12	3/4	No	FNS	8	Valve	Valve with Plug	None	Stainless steel with Yellow Vinyl Cover	NO	FC-01
S4	304 SS	FRT	16	1	Y Yes	NS	10	VP	V Valve	8	C	NACE S	F2FC-02
4L	304L SS	FRP	20	1 1/4		FRT	12	T	P Plug	10	Stainless Steel with Red Vinyl Cover		
6L	316L SS	PS	24	1 1/2		RT	14	TP	T Thread	12	Stainless Steel with Blue Vinyl Cover		
		PB	32	2		FMS			N No drain	14	U		
		AM				MS					Black Aluminium		
		DM				FRP					Black Nylon		
		DE				BP					L		
		GM				FL							
		GE				ML							
		AET				UFB							
		DMT				UMB							
		GMT											

None	FNS	Female NPT
None	NS	Male NPT
None	FRT	Female BSPT
None	RT	Male BSPT
None	FMS	Female Metric Thread (for RP)
None	MS	Male Metric Thread (for RG)
None	FRP	Female BSPP (For RP)
None	BP	Male BSPP (For RG)
None	FL	Fractional Tube Fitting
None	ML	Metric Tube Fitting
None	UFB	Nut+Gasket +Fractional BulgeNipple
None	UMB	Nut+Gasket+ Metric Bulge Nipple

None	FNS	Female NPT
None	NS	Male NPT
None	FRT	Female BSPT
None	RT	Male BSPT
None	FMS	Female Metric Thread (for RP)
None	MS	Male Metric Thread (for RG)
None	FRP	Female BSPP (For BP)
None	BP	Male BSPP (For RG)
None	FL	Fractional Tube Fitting
None	ML	Metric Tube Fitting

Note: "Part Number Description" is used for composition rules of FITOK product model, Not suitable for specific product part number selection, not random combinations. If in doubt, please contact FITOK group or authorized agent.

Cleaning and Packaging:

FC-01: Standard cleaning and packaging for general industrial procedures.

FC-02: Special cleaning and packaging for wetted system components to ensure compliance with product cleanliness requirements as stated in ASTM G93 Lever C.

MP, MN Series

MNSS – FNS16Y – 10NS8T – BFNS8 – C – SF2

Series	Body Material	Inlet Type	Inlet Size	Inlet Valve	Outlet Quantity	Outlet Type	Outlet Size	Outlet Valve/Plug	Drain Type	Drain Type	Drain Size	Handle	Special Application	Cleaning and Packaging
MP	SS	316 SS	FNS	Female NPT	12 3/4	No	4	FNS	Female NPT	8 1/2" or 8 mm	Valve	None	NO	FC-01
	S4	304 SS	FRT	Female BSPT	16 1	Y Yes	6	NS	Male NPT	M10 × 1 or 10 mm	VP Valve with Plug	1/2" or 8 mm	NACE SMR0175	F2 FC-02
4L	304L SS	FRP	Female BSPP (For RP)	20 1 1/4		8	FRT	Female BSPT	3/4" or 12 mm	T Thread	10 M10 × 1 or 10 mm			
	6L	316L SS	PS	Pipe Socket Weld	24 1 1/2		10	RT	Male BSPT	M14 × 1.5 or 14 mm	TP Thread with Plug	12 3/4" or 12 mm		
		PB	Pipe Butt Weld	32 2		12	FMS	Female Metric Thread (for RP)				14 M14 × 1.5 or 14 mm		Black Aluminum Bar
		AM	Class 2500 RF Serrated Flange (ANSI B 16.5)		.	.	MS	Male Metric Thread (for RG)					C	Red Aluminum Bar
		DM	PN 420 RF Serrated Flange (EN 1092)		.	.	FRP	Female BSPP (For RP)					F	Green Aluminum Bar
		GM	PN 420 RF Serrated Flange (GB/T 9115)		.	.	BP	Male BSPP (For RG)					J	Blue Aluminum Bar
							FL	Fractional Tube Fitting						
							ML	Metric Tube Fitting						
							UFB	Nut+Gasket+ Fractional Bulge Nipple						
							UMB	Nut+Gasket+ Metric Bulge Nipple						

Note: "Part Number Description" is used for composition rules of FITOK product model, Not suitable for specific product part number selection, not random combinations. If in doubt, please contact FITOK group or authorized agent.

Cleaning and Packaging:

FC-01: Standard cleaning and packaging for general industrial procedures.

FC-02: Special cleaning and packaging for wetted system components to ensure compliance with product cleaning requirement as stated in ASTM G93 Level C.

CM Series

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Note: * only applies to maximum working pressure up to 3000 PSI.

"Part Number Description" is used for composition rules of FITOK product model. Not suitable for specific product part number selection, not random combinations. If in doubt, please contact FITOK group or authorized agent.

Cleaning and Packaging:

FC-01: Standard cleaning and packaging for general industrial procedures.

FC-02: Special cleaning and packaging for wetted system components to ensure compliance with product cleaning requirement as stated in ASTM G93 Level C.