













## Brass Pipe Fittings

For Use with Brass, Copper, Steel, Aluminum and Iron Pipe





- Meets SAE, ASA and ASME Specifications and Standards
- Pressure Rating: 1200 PSI
- Temperature Rating: -65°F to 250°F

<p><b>90° Female Pipe Elbow (FPT)</b></p>  <table border="1"> <thead> <tr> <th>Size</th> <th>Part No.</th> </tr> </thead> <tbody> <tr><td>1/4</td><td>23500X4</td></tr> <tr><td>3/8</td><td>23500X6</td></tr> <tr><td>1/2</td><td>23500X8</td></tr> <tr><td>3/4</td><td>23500X12</td></tr> </tbody> </table>	Size	Part No.	1/4	23500X4	3/8	23500X6	1/2	23500X8	3/4	23500X12	<p><b>Pipe Tee (FPT)</b></p>  <table border="1"> <thead> <tr> <th>Size</th> <th>Part No.</th> </tr> </thead> <tbody> <tr><td>1/4</td><td>23700X4</td></tr> <tr><td>1/4</td><td>23700X4S</td></tr> <tr><td>3/8</td><td>23700X6</td></tr> <tr><td>1/2</td><td>23700X8</td></tr> <tr><td>3/4</td><td>23700X12</td></tr> </tbody> </table>	Size	Part No.	1/4	23700X4	1/4	23700X4S	3/8	23700X6	1/2	23700X8	3/4	23700X12		
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## Brass Pipe Fittings

For Use with Brass, Copper, Steel, Aluminum and Iron Pipe





- Meets SAE, ASA and ASME Specifications and Standards
- Pressure Rating: 1200 PSI
- Temperature Rating: -65° F to 250° F

<p><b>Close Nipple (MPT)</b></p>  <table border="1"> <thead> <tr> <th>Size</th> <th>Part No.</th> </tr> </thead> <tbody> <tr><td>1/8 X .75L</td><td>226X075</td></tr> <tr><td>1/4 X .88L</td><td>246X088</td></tr> <tr><td>1/4 X 2.00L</td><td>247X200</td></tr> <tr><td>1/4 X 3.00L</td><td>247X300</td></tr> <tr><td>3/8 X 1.00L</td><td>266X100</td></tr> <tr><td>3/8 X 2.00L</td><td>267X200</td></tr> <tr><td>3/8 X 3.00L</td><td>267X300</td></tr> <tr><td>1/2 X 1.12L</td><td>286X112</td></tr> <tr><td>1/2 X 3.00L</td><td>286X300</td></tr> </tbody> </table>	Size	Part No.	1/8 X .75L	226X075	1/4 X .88L	246X088	1/4 X 2.00L	247X200	1/4 X 3.00L	247X300	3/8 X 1.00L	266X100	3/8 X 2.00L	267X200	3/8 X 3.00L	267X300	1/2 X 1.12L	286X112	1/2 X 3.00L	286X300	<p><b>Hex Nipple (MPT)</b></p>  <table border="1"> <thead> <tr> <th>Size</th> <th>Part No.</th> </tr> </thead> <tbody> <tr><td>1/8 X .97L</td><td>23325X2</td></tr> <tr><td>1/4 X 1.38L</td><td>23325X4</td></tr> <tr><td>3/8 X 1.41L</td><td>23325X6</td></tr> <tr><td>1/2 X 1.81L</td><td>23325X8</td></tr> <tr><td>3/4 X 1.96L</td><td>23325X12</td></tr> <tr><td>1 X 2.30L</td><td>23325X16</td></tr> </tbody> </table>	Size	Part No.	1/8 X .97L	23325X2	1/4 X 1.38L	23325X4	3/8 X 1.41L	23325X6	1/2 X 1.81L	23325X8	3/4 X 1.96L	23325X12	1 X 2.30L	23325X16
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## Hose Barb Fittings

For Use with Rubber Hose (Hose Clamps Should Always Be Used)









- Pressure Rating: 150 PSI
- Temperature Rating: -40° F to 160° F

<p><b>Male Hose Barb (MPT X Hose)</b></p>  <table border="1"> <thead> <tr> <th>Size</th> <th>Part No.</th> </tr> </thead> <tbody> <tr><td>1/8 X 1/4</td><td>HBM-1825</td></tr> <tr><td>1/4 X 1/4</td><td>HBM-2525</td></tr> <tr><td>1/4 X 3/8</td><td>HBM-2538</td></tr> <tr><td>3/8 X 3/8</td><td>HBM-3838</td></tr> <tr><td>1/2 X 1/2</td><td>HBM-5050</td></tr> </tbody> </table>	Size	Part No.	1/8 X 1/4	HBM-1825	1/4 X 1/4	HBM-2525	1/4 X 3/8	HBM-2538	3/8 X 3/8	HBM-3838	1/2 X 1/2	HBM-5050	<p><b>Female Hose Barb (FPT X Hose)</b></p>  <table border="1"> <thead> <tr> <th>Size</th> <th>Part No.</th> </tr> </thead> <tbody> <tr><td>1/8 X 1/4</td><td>HBF-1825</td></tr> <tr><td>1/4 X 1/4</td><td>HBF-2525</td></tr> <tr><td>1/4 X 3/8</td><td>HBF-2538</td></tr> <tr><td>3/8 X 3/8</td><td>HBF-3838</td></tr> <tr><td>1/2 X 1/2</td><td>HBF-5050</td></tr> </tbody> </table>	Size	Part No.	1/8 X 1/4	HBF-1825	1/4 X 1/4	HBF-2525	1/4 X 3/8	HBF-2538	3/8 X 3/8	HBF-3838	1/2 X 1/2	HBF-5050
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### Brass Compression Fittings

For Use with Copper, Brass, Aluminum or Plastic Tubing  
( With Plastic Tubing a Tubing Insert Must Be Used)

- Meets SAE, ASA and ASME Specifications and Standards
- Fittings include Sleeve and Nut
- Pressure Rating: 500 PSI
- Working Temperature: -65°F to 250°F




<p><b>Sleeve</b> (OD Tube)</p>  <table border="1"> <thead> <tr> <th>Size</th> <th>Part No.</th> </tr> </thead> <tbody> <tr><td>1/8</td><td>260X2</td></tr> <tr><td>1/4</td><td>260X4</td></tr> <tr><td>3/8</td><td>260X6</td></tr> <tr><td>1/2</td><td>260X8</td></tr> <tr><td>5/8</td><td>260X10</td></tr> <tr><td>3/4</td><td>260X12</td></tr> </tbody> </table>	Size	Part No.	1/8	260X2	1/4	260X4	3/8	260X6	1/2	260X8	5/8	260X10	3/4	260X12	<p><b>Tubing Insert</b> (OD Tube)</p>  <table border="1"> <thead> <tr> <th>Size</th> <th>Part No.</th> </tr> </thead> <tbody> <tr><td>1/8</td><td>295X2</td></tr> <tr><td>1/4</td><td>295X4</td></tr> <tr><td>3/8</td><td>295X6</td></tr> <tr><td>1/2</td><td>295X8</td></tr> </tbody> </table>	Size	Part No.	1/8	295X2	1/4	295X4	3/8	295X6	1/2	295X8																
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### Brass Compression Fittings

For Use with Copper, Brass, Aluminum or Plastic Tubing  
( With Plastic Tubing a Tubing Insert Must Be Used)

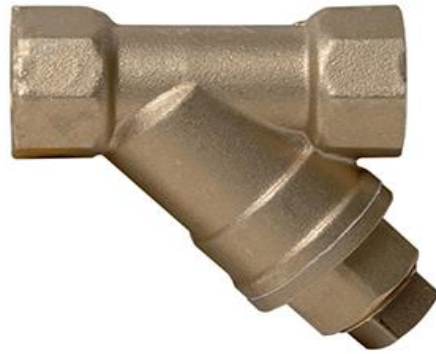
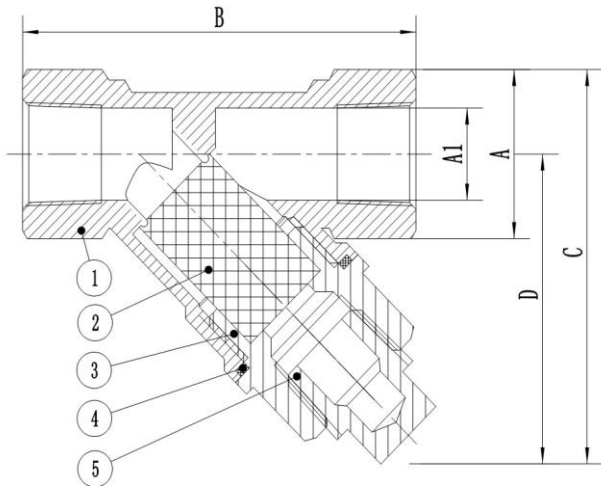
- Meets SAE, ASA and ASME Specifications and Standards
- Fittings include Sleeve and Nut
- Pressure Rating: 500 PSI
- Working Temperature: -65 °F to 250 °F

Fittings

<p><b>90° Male Elbow</b> (OD Tube X MPT)</p>  <table border="1"> <thead> <tr> <th>Size</th> <th>Part No.</th> </tr> </thead> <tbody> <tr><td>1/4 X 1/8</td><td>269X4X2</td></tr> <tr><td>1/4 X 1/4</td><td>269X4X4</td></tr> <tr><td>3/8 X 1/4</td><td>269X6X4</td></tr> <tr><td>3/8 X 3/8</td><td>269X6X6</td></tr> <tr><td>3/8 X 1/2</td><td>269X6X8</td></tr> <tr><td>1/2 X 1/4</td><td>269X8X4</td></tr> <tr><td>1/2 X 3/8</td><td>269X8X6</td></tr> <tr><td>1/2 X 1/2</td><td>269X8X8</td></tr> <tr><td>3/4 X 1/2</td><td>269X12X8</td></tr> <tr><td>3/4 X 3/4</td><td>269X12X12</td></tr> </tbody> </table>	Size	Part No.	1/4 X 1/8	269X4X2	1/4 X 1/4	269X4X4	3/8 X 1/4	269X6X4	3/8 X 3/8	269X6X6	3/8 X 1/2	269X6X8	1/2 X 1/4	269X8X4	1/2 X 3/8	269X8X6	1/2 X 1/2	269X8X8	3/4 X 1/2	269X12X8	3/4 X 3/4	269X12X12	<p><b>90° Female Elbow</b> (OD Tube X FPT)</p>  <table border="1"> <thead> <tr> <th>Size</th> <th>Part No.</th> </tr> </thead> <tbody> <tr><td>1/4 X 1/8</td><td>269FX4X2</td></tr> <tr><td>1/4 X 1/4</td><td>269FX4X4</td></tr> <tr><td>1/4 X 1/4 w/ Captive Sleeve Nut</td><td>270X4X4</td></tr> <tr><td>3/8 X 1/4</td><td>269FX6X4</td></tr> <tr><td>3/8 X 3/8</td><td>269FX6X6</td></tr> <tr><td>1/2 X 1/4</td><td>269FX8X4</td></tr> <tr><td>1/2 X 1/2</td><td>269FX8X8</td></tr> <tr><td>3/4 X 1/2</td><td>269FX12X8</td></tr> <tr><td>3/4 X 3/4</td><td>269FX12X12</td></tr> </tbody> </table>	Size	Part No.	1/4 X 1/8	269FX4X2	1/4 X 1/4	269FX4X4	1/4 X 1/4 w/ Captive Sleeve Nut	270X4X4	3/8 X 1/4	269FX6X4	3/8 X 3/8	269FX6X6	1/2 X 1/4	269FX8X4	1/2 X 1/2	269FX8X8	3/4 X 1/2	269FX12X8	3/4 X 3/4	269FX12X12
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## Brass Y-Strainers



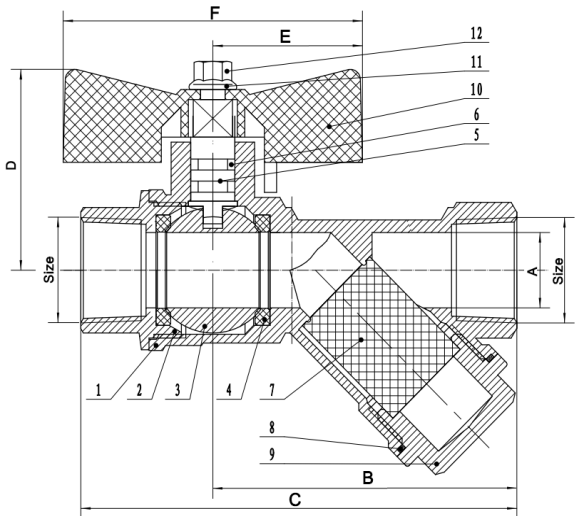
Suitable for 600 CWP 150 WSP  
 Temperature Range: -20 F to 425 F  
 Heavy Duty Forged Brass Construction  
 304 Stainless Steel 50 Mesh Screen 1/4" - 1"  
 304 Stainless Steel 20 Mesh Screen 1-1/4" - 2"  
 Screwed Caps are Straight Threaded w/PTFE Gaskets  
 Threaded Ends Comply with ANSI.B2.1  
 Y - Strainers are Ideal for Installations  
 Before Pumps, Control Valves, Meters, Traps etc.  
 Features Easy Clean Plug  
 Female x Female Connection  
 ISO Registered Factory  
 MSS SP-110 Approved  
 RoHS Compliant

Part No.	Size (In)	A1( In)	A( In)	B In)	C(In)	D (In)	Easy Clean Plug	Wt. (Lbs.)	Case Q'ty
YSFB-25	1/4	0.44	0.75	1.97	1.90	1.50	1/4" NPT	0.22	160
YSFB-38	3/8	0.44	0.79	1.97	1.90	1.50	1/4" NPT	0.21	160
YSFB-50	1/2	0.65	0.98	2.36	2.44	1.97	3/8" NPT	0.38	100
YSFB-75	3/4	0.79	1.22	2.76	2.68	2.09	3/8" NPT	0.57	60
YSFB-100	1	1.17	1.50	2.95	2.95	2.24	3/8" NPT	0.9	40
YSFB-125	1-1/4	1.34	1.81	3.54	3.74	2.76	1/2" NPT	1.3	30
YSFB-150	1-1/2	1.63	2.31	4.09	4.17	2.99	1/2" NPT	1.81	20
YSFB-200	2	1.89	2.60	5.00	4.96	3.35	1/2" NPT	3.31	12

Part No.	Description	Material
1	Cap	Brass
2	Plug	Brass
3	Gasket	PTFE
4	Body	Brass
5	Mesh	S.S



## Ball Valve Y Strainer Combination



600 CWP 150 WSP Service  
 Full Port  
 Operating Temperature: -40°F to 365°F  
 Forged Brass Construction  
 50 Mesh 304 Stainless Steel Screen  
 Teflon ® Ball Seats  
 Double Viton ® O Ring Stem Seals  
 T Handle Allows Quarter Turn Operation  
 Unique Design Allows Valve to Be Cleaned In The Closed Position  
 Female x Female Connection  
 ISO Registered Factory  
 MSS-SP-110 Approved  
 RoHs Compliant

Part No.	Size	A (In)	B (In)	C(In)	D ( In)	E (In)	F (In)	Carton Qty	Wt. (Lbs.)
BVY-50	1/2"	0.59	2.28	3.39	1.48	1.07	2.13	64	0.63
BVY-75	3/4"	0.75	2.68	3.95	1.96			64	0.90

Weights Are ± 3%

Part No.	Description	Material
12	Nut	Steel
11	Washer	Steel
10	Handle	Steel
9	Packing	Steel
8	Sealing	PTFE
7	Screen	304 Stainless Steel
6	O-ring	Viton
5	Stem	Brass
4	Seat	PTFE
3	Ball	Brass
2	Caps	Brass
1	Body	Brass

## Black Anodized Manifolds

Manifolds are ideal for control systems or networks that need to branch out to supply fluids or gases to multiple locations from a single source simultaneously. The manifolds are suitable for use with air, water and hydraulic fluids.

### Features

- Simplifies Tube Run Designs, Reduces Clutter and Eases Trouble Shooting
- Large Port Manifolds Increase Production by Reducing Cycle Time
- Extra Wide Port Spacing Manifolds (3" or 3-1/2" Center to Center) Accommodate Most Accessories
- Construction: Black Anodized Aluminum
- Rated for 1000 PSI Air, 3000 PSI Non Shock Hydraulic @ 72 °F  
Temperature Range -10° F to 200 °F
- FNPT Connections
- Four Mounting Holes Allow the Manifold to Be Mounted from the Side or Top

### Options

- Nickel Plating Construction for Harsh Environments
- Outlets Available on Two Sides
- BSPT, BSPP and SAE Thread Connections
- Custom Sizes Available Contact Midwest Control
- Visit [Midwest-Control.com](http://Midwest-Control.com) for Dimensions

### Standard Port Manifolds

No. of Outlet Ports	.75" Center to Center Spacing		.88" Center to Center Spacing		1.3" Center to Center Spacing		1" Center to Center Spacing		1" Center to Center Spacing	
	1/4" Inlet Port Size		3/8" Inlet Ports		3/8" Inlet Ports		1/2" Inlet Ports		1/2" Inlet Ports	
	1/8" Outlet Port Size		1/4" Outlet Ports		3/8" Outlet Ports		1/4" Outlet Ports		3/8" Outlet Ports	
	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
2	M25-182	M38-252	M38-382	M50-252	M50-382					
3	M25-183	M38-253	M38-383	M50-253	M50-383					
4	M25-184	M38-254	M38-384	M50-254	M50-384					
5	M25-185	M38-255	M38-385	M50-255	M50-385					
6	M25-186	M38-256	M38-386	M50-256	M50-386					
7	M25-187	M38-257	M38-387	M50-257	M50-387					
8	M25-188	M38-258	M38-388	M50-258	M50-388					

### Large Port High Flow Manifolds

No. of Outlet Ports	1.5" Center to Center Spacing		2" Center to Center Spacing		3" Center to Center Spacing		3-1/2" Center to Center Spacing	
	3/4" Inlet Port		1" Inlet Port		3/4" Inlet Port		1" Inlet Port	
	1/2" Outlet Port		3/4" Outlet Port		1/2" Outlet Port		3/4" Outlet Port	
	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
3	MHF75-503	MHF10-753	MWP75-503	MWP10-753				
4	MHF75-504	MHF10-754	MWP75-504	MWP10-754				
5	MHF75-505	MHF10-755	MWP75-505	MWP10-755				
6	MHF75-506	MHF10-756	MWP75-506	MWP10-756				

### Tube Racks

Tube racks securely routes and mounts tube lines from the manifold. Additional information on tube racks can be located under the Airline Section of the Midwest Control Catalog.



### Gauges & Quick Disconnects

See the Gauge Section of the Midwest Control Catalog for the complete offering of pressure gauges.

See the Airline Accessories Section of the Midwest Control Catalog for the complete offering of quick disconnects



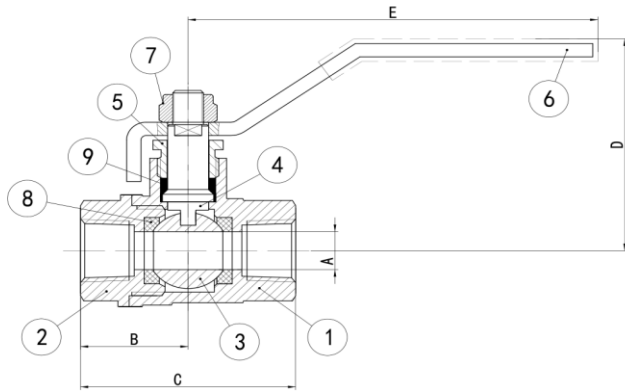
### Fittings

Hex head plugs (cored) can be used to plug any open ports. Hex head plugs can be found in the Fitting Section of the Midwest Control Catalog.





## Heavy Duty Full Port Brass Ball Valves



600 CWP 150 WSP Service  
 Suitable for Vacuum Service to 29.9"Hg  
 Full Port  
 Temperature Range: -40° F to 365°F  
 Forged Brass Construction  
 Blow Out Proof Stem  
 Chrome Plated Brass Ball  
 PTFE Seat Ring  
 Adjustable Stem Packing Nut for 1/4" - 1-1/4" Viton  
 O Ring Sealing on 1-1/2" & 2"  
 Steel Handle w/ Vinyl Grip  
 Female x Female Connection  
 UL125/UL842 600 CWP CSA (CGA/AGA Certified ) ISO Registered Factory  
 MSS SP-110 Approved  
 RoHS Compliant

Part No.	Size	A (In)	B (In)	C (In)	D (In)	E (In)	Cv	Carton Qty	Wt. (Lbs.)
KTC-25	1/4"	0.31	0.79	1.62	1.77	3.15	8.23	120	0.33
KTC-33	3/8"	0.39	0.86	1.72	1.81		8.23	120	0.31
KTC-50	1/2"	0.59	1.10	2.20	2.24	3.92	18.55	80	0.49
KTC-75	3/4"	0.75	1.18	2.36	2.36		29.76	48	0.69
KTC-100	1"	0.98	1.61	3.22	2.68	4.49	51.55	36	1.30
KTC-125	1-1/4"	1.26	1.89	3.78	3.11	4.80	84.42	24	2.02
KTC-150	1-1/2"	1.57	2.03	4.06	3.68	5.59	131.93	16	2.63
KTC-200	2"	1.97	2.40	4.80	4.00		200.34	12	4.74

Weights Are ± 3%

Part#	Description	Material
1	Body	Brass
2	Cap	Brass
3	Ball	Brass
4	Stem	Brass
5	Gland	Brass
6	Handle	Steel
7	Nut	Brass
8	Seat	PTFE
9	Stem Packing	PTFE