

Fisher Globe and Angle Valves



N310



N410



N350



N450

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Globe and angle valves are widely used at bulk plants to control gas flow in the piping system, at storage tanks, on trucks, and at pumps or compressors. Their body configuration permits installation in a straight section of pipe (globe body) or where it is desired to make a change in piping direction (angle body). All units have a 1/4" FNPT plugged boss in the downstream side of the body. A hydrostatic relief valve (Type HI24) or a vent valve (ME3169) can be installed in this outlet. Heavy-duty ductile iron valves for either LP-Gas or NH₃ service, ranging in size from 1/2" to 3". Each valve has spring loaded TFE chevron packing for an effective seal against leakage. The valves are rated for 400 WOG and a maximum temperature of 150° F. Valve disc rotation stops as soon as the disc contacts the body seat to help minimize disc wear. Oversize ports in all units give high flow capacity.

Type N310 & N410 - Ball bearing valve disc construction gives a stronger connection to the stem to protect the disc under back-flow conditions.

Type N350 & N450 - Economy globe and angle valves for LP-Gas service. With many of the construction features of the Type N310 and N410, these valves are available in 1/2" and 3/4" sizes. TFE spring loaded packing provides an effective seal against leakage.

Fisher Globe & Angle Valves

SERVICE	Inlet & Outlet Connections	Type Number	
		Heavy-Duty Version	
		Globe	Angle
LP-GAS & NH ₃	1/2" FNPT	N301-04	N401-04
	3/4" FNPT	N301-06	N401-06
	1" FNPT	N301-08	N401-08
	1 1/4" FNPT	N310-10	N410-10
	1 1/2" FNPT	N310-12	N410-12
	2" FNPT	N310-16	N410-16
	3" FNPT	N310-24	N410-24
	3" ANSI Flange	N310F-24	N410F-24
LP-GAS "ONLY"	1/2" FNPT	N350-04	N450-04
	3/4" FNPT	N350-06	N450-06

FISHER GLOBE AND ANGLE VALVE REPAIR KITS

Part No.	Repairs Valve...
RN30008	1"...N301-08, N401-08
RN30012	1 1/4" & 1 1/2"...N300, N310, N400, N410
RN30016	2"...N300, N310, N400, N410
RN30024	3"...N300, N310, N400, N410

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Marshall Excelsior Full Port Globe and Angle Valves

Marshall Excelsiors' globe and angle valves provide a positive shut-off that is highly reliable with full flow performance. The globe valve seat area is tilted to a 30° angle for maximum product flow. Valve is ergonomically correct for Bobtail, Transport and Bulk Plant applications. All stainless steel internal components with rotating seat disc design and V-cup Teflon packing stem seals. Ductile iron body and flange cap with automotive grade powder coat finish. Standard nitrile seat seal, also available with optional Teflon and Viton seat seal. 1/4" FNPT plugged accessory ports upstream and downstream of valve seat.

Available with the E-Z turn knob feature for easier valve operation.



ME825-16

ME829



Marshall Excelsior Full Port Globe & Angle Valves

Part Number	Inlet	Outlet	Body Style
ME815-4	1/2" FNPT	1/2" FNPT	Angle
ME815-6	3/4" FNPT	3/4" FNPT	
ME815-10	1 1/4" FNPT	1 1/4" FNPT	
ME815-16	2" FNPT	2" FNPT	
ME815-24 (1)	3" FNPT	3" FNPT	
ME825-4	1/2" FNPT	1/2" FNPT	Globe
ME825-6	3/4" FNPT	3/4" FNPT	
ME825-8	1" FNPT	1" FNPT	
ME825-10	1 1/4" FNPT	1 1/4" FNPT	
ME825-16	2" FNPT	2" FNPT	
ME825-24 (1)	3" FNPT	3" FNPT	
ME826-10	1 1/4" FNPT	1 3/4" M Acme	
ME827-10	1 1/4" FNPT	2 1/4" M Acme	
ME828-16	2" FNPT	3 1/4" M Acme	
To order Teflon or Viton Seal add "T" or "V" after the prefix Part Number (1) Includes EZ turn knob as standard equipment			
Accessories			
Part Number	Description		
MEH225	1/4" MNPT Hydrostatic Relief Valve 440 psig - 1 1/16" OAL Brass		
MEH225SS	1/4" MNPT Hydrostatic Relief Valve 440 psig - 1 1/16" OAL Stainless Steel		
MEH425/450	1/4" MNPT Hydrostatic Relief Valve 450 psig - 1 59/64" OAL Brass		
MEJ402S	1/4" MNPT Liquid Vent Valve w/ Tee Handle - Stainless Steel		
ME829	Universal E-Z Turn Knob & Bolt Kit		
Replacement Parts			
ME815-10BRK	1 1/4" Angle & Globe Valve Complete Bonnet Assembly		
ME815-10SRK	1 1/4" Angle & Globe Valve Replacement Seal Repair Kit		
ME815-16BRK	2" Angle & Globe Valve Complete Bonnet Assembly		
ME815-16SRK	2" Angle & Globe Valve Replacement Seal Repair Kit		
ME816-10/16HRK	1 1/4" & 2" Angle & Globe Valve Replacement Handle & Retaining Nut		
ME815-24BRK	3" FNPT Angle & Globe Valve Replacement Bonnet Assembly		
ME815-24HRK	3" FNPT Angle & Globe Valve Replacement Hand Wheel Kit		
ME815-24SRK	3" FNPT Angle & Globe Valve Replacement Seal Ki		

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ME815-16



Marshall Excelsior Next Generation 2" Globe and Angle Valves

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Pilot



Marshall Excelsior's Next Generation 2" Globe and Angle valves provide a positive shut-off valve that is highly reliable with full flow performance while permitting bi-directional flow and/or reduced product emissions.

These valves have all of the same great features of the original full flow MEC Globe and Angle valves with additional product performance enhancements.



~ Pilot Feature: (P) These globe and angle valve models incorporate a pilot orifice feature to facilitate pressure equalization in sections of system piping that have bidirectional flow. This greatly reduces the opening torque required and prevents premature wear of the valve seat.

IBC



~ Integrated Back Check Feature: (IBC) These globe and angle valve models incorporate an integrated back check feature to allow trapped downstream pressure to automatically bypass to the upstream side of the valve. These valves are designed for systems with flow in one direction, creating a closed loop system that prevents the product from relieving to the atmosphere making for a low emission, more environmentally friendly option.

Marshall Excelsior Next Generation 2" Globe and Angle Valves

Angle Part No	Globe Part No	Description	Side Ports	Inlet	Outlet
ME815P-16	ME825P-16	Full flow valve with Integrated Pilot Feature	1/4" FNPT	2" FNPT	2" FNPT
-	ME828P-16				3 1/4" M Acme
-	ME824P-16		1/2" FNPT		2" FNPT
ME815IBC-16	ME825IBC-16	Full flow valve with Integrated Back Check	1/4" FNPT	2" FNPT	3 1/4" M Acme
-	ME828IBC-16				2" FNPT
-	ME824IBC-16		1/2" FNPT		2" FNPT

Replacement Parts

Part Number	Description
ME815IBC-16BRK	2" angle & globe valve with integrated back check - complete bonnet assembly
ME815IBC-16SRK	2" angle & globe valve with integrated back check - seal replacement kit
ME815-10/16HRK	1 1/4", 1 1/2" & 2" angle & globe valve replacement handle & retaining nut