

3-Way Globe Valve Assemblies

Note: Choose a valve assembly with a maximum operating differential pressure capability sufficient for the application. Consult close-off pressure ratings. Not all actuator and valve body combinations are offered as factory assemblies.

3-Way Globe Valve Assemblies with Electric Spring Return (SR) Actuators														
Spring Return (SR) 3-Way Globe Valve Assemblies					Mx61-720x	Mx41-715x	Mx40-717x							
					Actuator Output Rating (minimum)									
					220 lbf (979 N-m)			133 lb-in (15 N-m)		150 lb-in (17 N-m)				
					Actuator Models (Actuator Codes)									
					Two-Position MA61-7200 MA61-7203 (596) Floating MF61-7203 (596) Proportional MS61-7203 (596)			Two-Position MA41-7150 MA41-7151 MA41-7153 (556) Floating MF41-7153 Proportional MS41-7153 (556)		Two-Position MA40-7170 MA40-7171 MA40-7173 (576) Floating MF40-7173 (576) Proportional MS40-7170 MS40-7171 MS40-7173 (576)				
Linkage Kit Part Number														
None (Part of Actuator)					AV-607-1 (2½"–5") AV-609-1 (6")		AV-607-1 (2½"–5") AV-609-1 (6")							
Close-off Pressure (psi)					35									
Valve Assembly Part Number ^a	P Code	Valve Size in.	Cv ^b	kvs ^b	Maximum Allowable Operating Differential Pressurec, psi (kPa) (Mixing/Diverting)									
					Mx61-720x	Single Actuator	Dual Actuator ^d	Single Actuator	Dual Actuator ^d					
Vx-8303-5xx-5-P	12	2½	80 ^e	69 ^e	35 (240) / 35 (240)	35 (240) / 35 (240)	-	35 (240) / 35 (240)	-					
			95 ^f	82 ^f										
			115 ^g	99 ^g										
	13	3	110 ^e	95 ^e										
			120 ^f	104 ^f										
			120 ^g	104 ^g										
	14	4	190 ^h	164 ^h										
	15	5	290 ^h	251 ^h						32 (219) / 28 (192)	35 (240) / 35 (240)	35 (240) / 31 (212)	35 (240) / 35 (240)	
	16	6	500 ^h	433 ^h						-	15 (103) / 11 (75)	-	16 (110) / 12 (82)	35 (240) / 31 (214)

a - See Pg. 98, Assembly Ordering VB-8/9000 for the relevant part series to determine a specific part number

b - $C_v = \frac{gpm}{\Delta P}$ (where ΔP is measured in psi) $kvs = C_v / 1.156$ $Kvs = \frac{m^3/h}{\Delta P}$ (where ΔP is measured in bar; 1 bar = 100 kPa).

c - Maximum allowable differential across the valve in any open position. Recommend less than 20 psi for quieter service. Consult close-off pressures.

d - Dual actuators are not available as factory assemblies.

e - Mixing configuration, ports A and B are inlets, AB port is outlet.

f - Diverting configuration, flow AB to A port.

g - Diverting configuration, flow AB to B port.

h - All flow configurations, mixing or Diverting.

6. VB-8/9000 Valve and Actuator Assemblies