

Valve/Actuator Combinations and Operating Pressure Differentials

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.

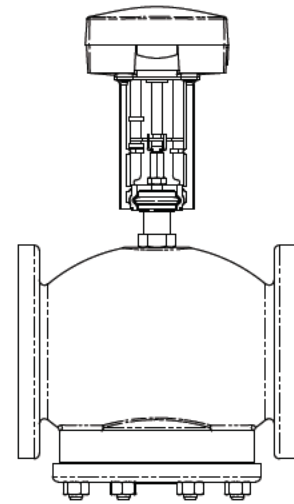
2-Way Globe Valve Assemblies with Electric Non-Spring Return Actuators								
Non-Spring Return (NSR) 2-Way Globe Valve Assemblies					M1500A	Mx41-634x		
					Actuator Output Rating (Minimum)			
					337 lbf (1500 N-m)		300 lb-in (34 N-m)	
					Actuator Model (Actuator Code)			
					Floating/Proportional M1500A (686)		Floating MF41-6343 Proportional MS41-6340 (512) MS41-6343	
					Linkage Kit Part Number			
AV-822 (2½"…6")		AV-609-1 (6")						
Close-off Pressure (psi)					125			
Valve Assembly Part Number <sup>a</sup>	P Code	Valve Size in.	C <sub>v</sub> <sup>b</sup>	k <sub>vs</sub> <sup>b</sup>	Maximum Allowable Operating Differential <sup>c</sup>			
					M1500A	Single Actuator	Dual Actuator <sup>d</sup>	
Vx-8213-xxx-5-P Vx-8223-xxx-5-P	12	2½	56	48	35 (240)			
	13	3	85	74				
	14	4	145	125				
	15	5	240	208				
	16	6	370	320			35 (240)	35 (240)

a - See Pg. 98, Assembly Ordering VB-8/9000 for the relevant part series to determine a specific part no.

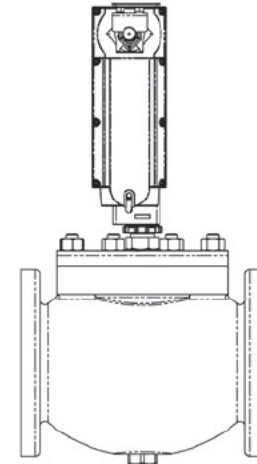
b -  $C_v = \frac{gpm}{\Delta P}$  (where ΔP is measured in psi)       $kvs = C_v / 1.156$        $K_{vs} = \frac{m^3/h}{\Delta P}$  (where ΔP is measured in bar; 1 bar = 100 kPa).

c - Maximum allowable differential across the valve in any open position. Less than 20 psi recommended for quieter service. Consult close-off pressure ratings.

d - Dual actuators are not available as a factory assembly.



VB-8213 with M1500A Actuator



VB-8223 with Mx41-634x Actuator