

The following tables offer a quick guide to valve actuator combination / close-off ratings. Please refer to specific close-off ratings.

VB-8xx3 and VB-9313 Close-off Ratings

Spring Return Electric											
Actuator	Mx41-715x				Mx40-717x				Mx61-720x	M900Ax	
Linkage	AV-607-1 ^d		AV-609-1 ^e		AV-607-1 ^d		AV-609-1 ^e		Included with actuator	AV-822	
No Act	Single	Dual	Single	Dual	Single	Dual	Single	Dual	Single	Single	
Pipe Size	VB-82x3 ^a										
2 1/2"	125/35				125/35				125/35		
3"											
4"											
5"											
6"			125/22	125/35			125/25	125/35			
Pipe Size	VB-8303 ^a										
2 1/2"	35/35				35/35				35/35		
3"											
4"											
5"											32/28
6"		35/35	15/11				16/12	35/31			
Pipe Size	VB-9313 ^{b,f}										
2 1/2"	33	70			40	84			24		
3"	22	48			27	57					16
4"	12	27			15	33					9
5"					9						10
6"			6			7					
Non-Spring Return Electric					Pneumatic Spring Return @15psi air (with 5...10 psi spring)						
Actuator	Mx41-6153	Mx41-6343	M800A	M1500A	MK-6811	MK-8811	MK-6911	MK-8911			
Linkage	AV-607-1 ^d	AV-609-1 ^e	AV-822	AV-822	AV-497 ^c	AV-496	AV-497	AV-496			
No Act	Single	Dual	Single	Dual	Single	Single	Single	Single	Single	Single	
Pipe Size	VB-82x3 ^a										
2 1/2"					125/35	125/35					
3"					125/35	125/35					
4"					125/35	125/35					
5"					125/35	125/35					
6"		125/25	125/35		125/35		125/35				
Pipe Size	VB-8303 ^a										
2 1/2"					35/35	35/35					
3"					35/35	35/35					
4"					35/35	35/35					
5"					35/35	35/35					
6"					35/35		35/35				
Pipe Size	VB-9313 ^{b,f}										
2 1/2"	33	70	46	96	29	61	40d/30u*	91d/60u*			
3"	22	48	31	66	19	42	27d/20u*	62d/40u*			
4"	12	27	18	38	10	22	14d/10u*	33d/25u*			
5"			9	24			14				20d/15u*
6"			6	17			9			13d/10u*	

a - VB-8xxx - First value = maximum close off pressure, Second value = maximum operating differential. (Example: 125/35).
 b - VB-9213/VB-9223 2-Way valves have the same close offs as VB-9313 valves.
 c - VB-8xx3 valves use AV-497 linkage, VB-9313 valves use AV-495 linkage.
 d - AV-607-1 (2 1/2" - 5" VB-8000 valves or 2 1/2" - 4" VB-9313 valves), the Mx41-634x actuator is not compatible with the AV-607-1 linkage.
 e - AV-609-1 (6" VB-8000 valves or 5" - 6" VB-9313 valves), the AV-609-1 linkage can be used with the Mx41-634x actuator on 2 1/2" - 5" VB-8000 valves or 2- 1/2" - 4" VB-9313 valves, but the valve will stroke over a shorter portion of the control input signal
 f - Stem up (B to AB flow, A port closed, stem down (A to AB flow, B port closed)
 *d and u indicate d (stem down) u (stem up)

5. VB-8/9000 Globe Valves
Sizing and Selection