

Motorised Control Valves Selection Guide

Actuator Codes:
 * denotes spring direction
 SU = Spring Up
 SD = Spring Down
 (Check valve direction)
 ** TWA-Z NO close and TWA-Z NC opens port
 A-AB when operate with VZL valves

				TWA-Z	ABNM	AMV(E) 110NL-120NL		AMV/E/H 130-140	
Supply	3-Position	Modulating	Safety Function	ON/OFF	0-10V	H = Knob Version			
24	✓		✗			AMV 110NL	AMV 120NL	AMV 130	AMV 140
24	✓		✓	TWA-Z					
24		✓	✗		ABNM	AME 110NL	AME 120NL	AME 130	AME 140
230	✓		✗					AMV 130	AMV 140
230	✓		✓	TWA-Z					
potentiometer	✓	✗	✓	✗	✗	✗	✗	✗	✗
switch	✓	✗	✓	✗	✗	✗	✗	✗	✗
Speed (s/mm)				24	24	24	12	24	12
F (N)				100	100	130	130	200	200
Stroke (mm)				3	3	5	5	5.5	5.5

Actuator Codes:
 * denotes spring direction
 SU = Spring Up
 SD = Spring Down
 (Check valve direction)

				AMV(E) 435	AME 15QM	AMV/E 438SU	AMV(E) 55	AMV(E) 85	AME 55QM	AME 85QM	AMV/E 25SD
Supply	3-Position	Modulating	Safety Function	1P only or 1S only							
24	✓		✗	AMV435	AME15QM		AMV 55	AMV 85	AME 55QM	AME 85QM	
24	✓		✓			AMV 438SU					AMV 25SD
24		✓	✗	AME 435	AME15QM		AME 55	AME 85	AME 55QM	AME 85QM	
24		✓	✓			AME 438SU					AME 25SD
230	✓		✗	AMV 435			AMV 55	AMV 85			
230	✓		✓			AMV 438SU					AMV 25SD
potentiometer	✓	✗	✓								
switch	✓	✗	✓								
Speed (s/mm)				7.5	11	11	8	8	8	8	15
F (N)				400	500	1000	2000	5000	2000	5000	450
Stroke (mm)				20	15	15	40	40	40	40	15

PN Bar	Tmax °C	Valve Type	DN mm	Kvs m³/h	stroke mm							
16	-10 ~ +120°	 ABQM Down to close	10LF	0-150 l/h	2.25	✓	✓	✓	✓	✓	✓	
			10	0-275 l/h								
			15LF	0-275 l/h								
			15	0-450 l/h								
			20	0-900 l/h								
			25	0-1700 l/h	4.5	✗	✗	✗	✗	✗	✗	✗
32	0-3200 l/h											
16	2-100°C	 VZL2, VZL4 Up to close	15	0.25; 0.4; 0.63	3	✓	✓	✗	✗	✓	✓	
				1; 1.6								
			20	2.5; 3.5								
16	2-120°C	 VZ2; VZ3; VZ4 Up to close	15	0.25; 0.4; 0.63; 1	5.5	✗	✗	✗	✗	✓	✓	
				20								2.5; 4
16	2-120°C	 VRBZ 2/3 Up to close	20	6.3	5.5	✗	✗	✗	✗	✓	✓	
				25								10
				32								13
				40								16

PN Bar	Tmax °C	Valve Type	DN mm	Kvs m³/h	stroke mm							
16	2-120°C	 VRB/VRG Up to close	15	0.63; 1; 1.6; 2.5; 4	10	✓	✗	✓	✗	✗	✗	✗
			20	6.3								
			25	10								
			32	16								
			40	25								
			50	40								
			15	0.63; 1; 1.6; 2.5; 4								
20	6.3											
25	10											
32	16											
40	25											
50	40											
65	63	20	✗	✗	✗	✗	✗	✗	✗	✗		
80	80											
25	200°C	 VF Down to close	15	0.63; 1; 1.6; 2.5; 4	10	✗	✗	✓	✓	✗	✗	✗
			20	6.3								
			25	10								
			32	16								
			40	25								
			50	40								
			65	63								
100	145											
25	200°C	 VFS Down to close	15	0.4; 0.63; 1; 1.6; 2.5; 4	15	✗	✗	✗	✗	✗	✗	✓
			20	6.3								
			25	10								
			32	16								
			40	25								
			50	40								
			65	63								
80	100											
16	-10 ~ +200°C	 ABQM Down to close	40	7.5	10	✗	✗	✗	✗	✗	✗	✗
			50	12.5								
			65	20								
			85	28								
			100	38								
			125	190								
			150	145								
200	190											
250	280	27	✗	✗	✗	✗	✗	✗	✗	✗	✗	
250	280											

Please note:
 Zone valves AMZ 112 and 113 are not shown in the table because valve and actuator are sold as a package and not as a single unit.