VW Series Butterfly Valves



TWO-WAY, SPRING RETURN AND NON-SPRING RETURN WITH WEATHER SHIELD

- Controls hot water, chilled water and 50% glycol solutions
- Spring return open or closed; non-spring return (drive open, drive closed)
- ANSI Class 125/150 flanges
- Valve body: cast iron
- Disc: iron coated with Nylon 11
- Valve stem: stainless steel
- Seat: EPDM
- Fluid temperature rating: -30 to 250°F
- Actuator ambient rating: -4 to 122°F (non-spring return) -40 to 131°F (spring return)
- Available with or without end switches
- Manual opener for non-spring return single actuator models
- 175 psi shut off models rated for dead-end service
- Weather shield

TWO-WAY BUTTERFLY VALVE ASSEMBLIES – SPRING RETURN

SIZE IN.	Cv AT 90°	Cv AT 70°	CLOSEOFF PSIG[a]	WITHOUT END SWITCHES		WITH END SWITCHES	
				SPRING OPEN	SPRING CLOSED	SPRING OPEN	SPRING CLOSED
				24 VAC – FLOATING CONTROL (M9220-AGx-3)			
2	144	84	175	VWN020HB+92NAGA	VWC020HB+94NAGA	VWN020HB+92NAGC	VWC020HB+94NAGC
2-1/2	282	163	175	VWN025HB+92NAGA	VWC025HB+94NAGA	VWN025HB+92NAGC	VWC025HB+94NAGC
3	461	267	175	VWN030HB+92NAGA	VWC030HB+94NAGA	VWN030HB+92NAGC	VWC030HB+94NAGC
4	841	496	50	VWN040LB+92NAGA	VWC040LB+94NAGA	VWN040LB+92NAGC	VWC040LB+94NAGC
4	841	496	175	VWN040HB292NAGA[b]	VWC040HB294NAGA[b]	VWN040HB292NAGC[b]	VWC040HB294NAGC[b]
5	1376	775	50	VWN050LB292NAGA[b]	VWC050LB294NAGA[b]	VWN050LB292NAGC[b]	VWC050LB294NAGC[b]
				24 VAC – ON/OFF CONTROL (M9220-BGx-3)			
2	144	84	175	VWN020HB+92NBGA	VWC020HB+94NBGA	VWN020HB+92NBGC	VWC020HB+94NBGC
2-1/2	282	163	175	VWN025HB+92NBGA	VWC025HB+94NBGA	VWN025HB+92NBGC	VWC025HB+94NBGC
3	461	267	175	VWN030HB+92NBGA	VWC030HB+94NBGA	VWN030HB+92NBGC	VWC030HB+94NBGC
4	841	496	50	VWN040LB+92NBGA	VWC040LB+94NBGA	VWN040LB+92NBGC	VWC040LB+94NBGC
4	841	496	175	VWN040HB292NBGA[b]	VWC040HB294NBGA[b]	VWN040HB292NBGC[b]	VWC040HB294NBGC[b]
5	1376	775	50	VWN050LB292NBGA[b]	VWC050LB294NBGA[b]	VWN050LB292NBGC[b]	VWC050LB294NBGC[b]
				0 TO 10 VDC PROPORTIONAL CONTROL (M9220-GGx-3)			
2	144	84	175	VWN020HB+92NGGA	VWC020HB+94NGGA	VWN020HB+92NGGC	VWC020HB+94NGGC
2-1/2	282	163	175	VWN025HB+92NGGA	VWC025HB+94NGGA	VWN025HB+92NGGC	VWC025HB+94NGGC
3	461	267	175	VWN030HB+92NGGA	VWC030HB+94NGGA	VWN030HB+92NGGC	VWC030HB+94NGGC
4	841	496	50	VWN040LB+92NGGA	VWC040LB+94NGGA	VWN040LB+92NGGC	VWC040LB+94NGGC
4	841	496	175	VWN040HB292NGGA[b]	VWC040HB294NGGA[b]	VWN040HB292NGGC[b]	VWC040HB294NGGC[b]
5	1376	775	50	VWN050LB292NGGA[b]	VWC050LB294NGGA[b]	VWN050LB292NGGC[b]	VWC050LB294NGGC[b]

TWO-WAY BUTTERFLY VALVES ASSEMBLIES – NON-SPRING RETURN

SIZE IN.	Cv AT 90°	Cv AT 70°	CLOSEOFF PSIG[a]	WITHOUT END SWITCHES		WITH END SWITCHES	
				ON/OFF FLOATING M9124-AGA-2	0 TO 10 VDC PROPORTIONAL M9124-GGA-2	ON/OFF FLOATING M9124-AGC-2	0 TO 10 VDC PROPORTIONAL M9124-GGC-2
2	144	84	175	VWN020HB+916AGA	VWN020HB+916GGA	VWN020HB+916AGC	VWN020HB+916GGC
2-1/2	282	163	175	VWN025HB+916AGA	VWN025HB+916GGA	VWN025HB+916AGC	VWN025HB+916GGC
3	461	267	175	VWN030HB+916AGA	VWN030HB+916GGA	VWN030HB+916AGC	VWN030HB+916GGC
4	841	496	175	VWN040HB+924AGA	VWN040HB+924GGA	VWN040HB+924AGC	VWN040HB+924GGC
5	1376	775	50	VWN050LB+924AGA	VWN050LB+924GGA	VWN050LB+924AGC	VWN050LB+924GGC
5	1376	775	175	VWN050HB2924AGA[b]	VWN050HB2924GGA[b]	VWN050HB2924AGC[b]	VWN050HB2924GGC[b]
6	1850	1025	50	VWN060LB2924AGA[b]	VWN060LB2924GGA[b]	VWN060LB2924AGC[b]	VWN060LB2924GGC[b]

(a) Valves rated for 175 psig closeoff have 75 psig maximum dead-end service rating. Valves rated for 50 psig closeoff are not rated for dead-end service.
(b) Valve assemblies with two actuators mounted in tandem

VW Series Butterfly Valves



THREE-WAY, SPRING RETURN AND NON-SPRING RETURN WITH WEATHER SHIELD

- Controls hot water, chilled water and 50% glycol solutions
- Spring return open or closed; non-spring return (drive open, drive closed)
- ANSI Class 125/150 flanges
- Valve body: cast iron
- Disc: iron coated with Nylon 11
- Valve stem: stainless steel
- Seat: EPDM
- Fluid temperature rating: -30 to 250°F
- Actuator ambient rating: -4 to 122°F (non-spring return) -40 to 131°F (spring return)
- Available with or without end switches
- Manual opener for non-spring return single actuator models
- 175 psi shut off models rated for dead-end service
- Weather shield

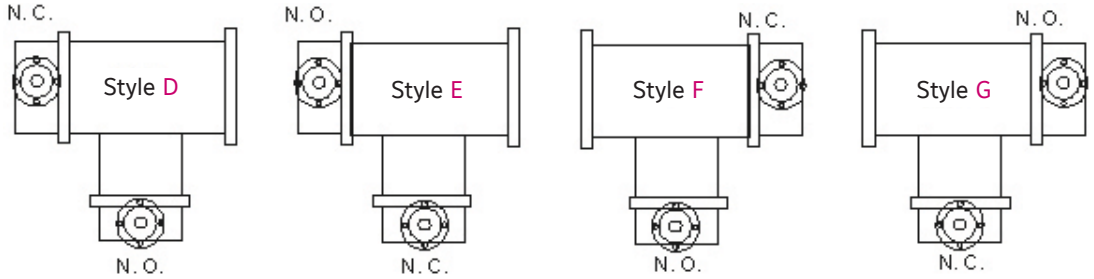
THREE-WAY BUTTERFLY VALVE ASSEMBLIES[a] – SPRING RETURN

SIZE IN.	Cv AT 90°	Cv AT 70°	CLOSEOFF PSIG[b]	24 VAC ON/OFF CONTROL	24 VAC FLOATING CONTROL	0 TO 10 VDC PROPORTIONAL CONTROL
				M9220-xGA-3 ACTUATOR WITHOUT END SWITCHES		
2	144	84	175	VWD020HB+92NBGA	VWD020HB+92NAGA	VWD020HB+92NGGA
2-1/2	282	163	175	VWD025HB+92NBGA	VWD025HB+92NAGA	VWD025HB+92NGGA
3	461	267	175	VWD030HB292NBGA[c]	VWD030HB292NAGA[c]	VWD030HB292NGGA[c]
4	841	496	50	VWD040LB292NBGA[c]	VWD040LB292NAGA[c]	VWD040LB292NGGA[c]
				M9220-xGC-3 ACTUATOR WITH TWO END SWITCHES		
2	144	84	175	VWD020HB+92NBGC	VWD020HB+92NAGC	VWD020HB+92NGGC
2-1/2	282	163	175	VWD025HB+92NBGC	VWD025HB+92NAGC	VWD025HB+92NGGC
3	461	267	175	VWD030HB292NBGC[c]	VWD030HB292NAGC[c]	VWD030HB292NGGC[c]
4	841	496	50	VWD040LB292NBGC[c]	VWD040LB292NAGC[c]	VWD040LB292NGGC[c]

THREE-WAY BUTTERFLY VALVES ASSEMBLIES[a] – NON-SPRING RETURN

				WITHOUT END SWITCHES		WITH END SWITCHES	
SIZE IN.	Cv AT 90°	Cv AT 70°	CLOSEOFF PSIG[b]	ON/OFF FLOATING M9124-AGA-2	0 TO 10 VDC PROPORTIONAL M9124-GGA-2	ON/OFF FLOATING M9124-AGC-2	0 TO 10 VDC PROPORTIONAL M9124-GGC-2
2	144	84	175	VWD020HB+916AGA	VWD020HB+916GGA	VWD020HB+916AGC	VWD020HB+916GGC
2-1/2	282	163	175	VWD025HB+916AGA	VWD025HB+916GGA	VWD025HB+916AGC	VWD025HB+916GGC
3	461	267	175	VWD030HB+924AGA	VWD030HB+924GGA	VWD030HB+924AGC	VWD030HB+924GGC
4	841	496	50	VWD040LB+924AGA	VWD040LB+924GGA	VWD040LB+924AGC	VWD040LB+924GGC
4	841	496	175	VWD040HB2924AGA[c]	VWD040HB2924GGA[c]	VWD040HB2924AGC[c]	VWD040HB2924GGC[c]
5	1376	775	50	VWD050LB2924AGA[c]	VWD050LB2924GGA[c]	VWD050LB2924AGC[c]	VWD050LB2924GGC[c]
6	1850	1025	50	VWD060LB2924AGA[c]	VWD060LB2924GGA[c]	VWD060LB2924AGC[c]	VWD060LB2924GGC[c]

(a) Code numbers listed above are three-way valves, style D. For styles E, F, or G change the D in the third digit of the code number to the desired style.
Example: VWExxxxxx+xxxxxx, VWFxxxxxx+xxxxxx, or VWGxxxxxx+xxxxxx.
(b) Valves rated for 175 psig closeoff have 75 psig maximum dead-end service rating. Valves rated for 50 psig closeoff are not rated for dead-end service.
(c) Valve assemblies with two actuators mounted in tandem



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