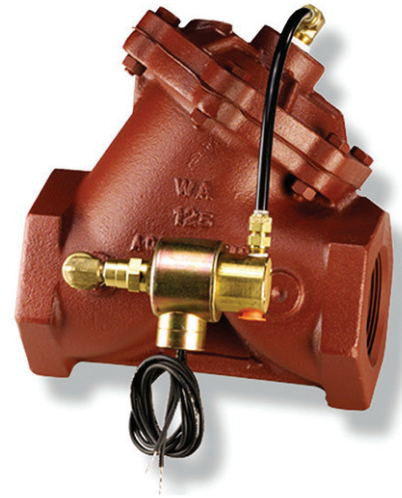
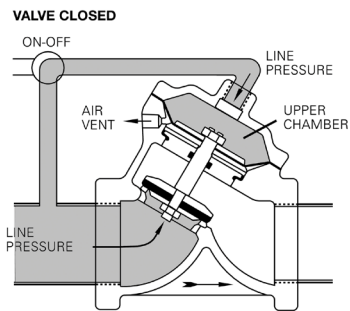


# SOLENOID-OPERATED CONTROL VALVES

WCC's diaphragm control valves are available in normally-open (energize-to-close) or normally-closed (energize-to-open) configurations. They are actuated by 3-way universal solenoids and supplied as complete assemblies. These valves are certified by NSF® for potable water use and have a whole host of applications, including water treatment, industry, emergency domestic water shutdown (typically for fire protection), and general solenoid use.

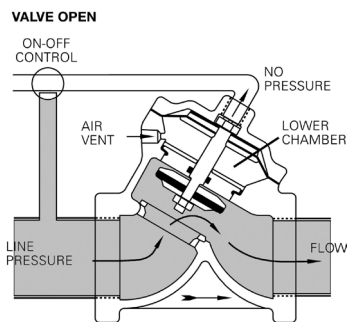


## PRINCIPLES OF OPERATION



### DRIP-TIGHT CLOSING:

The valve is closed by directing line pressure or equivalent independent pressure into the upper chamber. This pressure on the large diaphragm area causes the valve disc to seal against the seat, fully stopping the flow of liquid.



### FULL OPEN OPERATION:

When the closing pressure in the upper chamber is vented and relieved, the valve opens from line pressure on the disc. Liquid flow occurs, with very little pressure loss.

## OPERATING SPECIFICATIONS

Max Working Pressure	125 psi
Max Working Temperature	150 °F

## FEATURES AND OPTIONS

Lowest Pressure Loss	Unique Y-pattern diaphragm valve design, with large seat opening and high lift disc. Permits higher flow rate and lower pressure loss than other comparable valves
Cost-Effective Design	Competitively priced. All components can be serviced while the valve is in-line
Durable	Heavy duty body and nitrile elastomer components
Pipe Sizes	¾-inch through 3-inch threaded (FNPT). 3-inch through 6-inch flanged (drilled in accordance with ASA16.1 class 125, or BSP4504)
Construction	Available with brass or cast iron bodies

Note: Diaphragms vent a small amount of water when cycling. Water must be directed to suitable drain or receptacle.

## SPECIFICATIONS

	Pipe Size (in)	Valve Model (Brass body)	Valve Model (Cast Iron body)	Cv Rating	Approximate Dimensions (in)			
					A	B	C	D
THREADED	¾	SV34B	SV34C	11.4	3.69	4.25	3.75	2.75
	1	SV100B	SV100C	12.8	3.69	4.25	3.75	2.75
	1 ¼	SV114B	SV114C	26.5	4.75	5.37	4.0	3.5
	1 ½	SV112B	SV112C	32.5	4.75	5.37	4.0	3.5
	2	-	SV200C	56	6.62	7.25	5.37	2.75
	2 (high flow)	SVH200B	-	68	7.37	8.0	5.75	5.5
	2 ½	SV250B	SV250C	84	7.37	8.0	5.75	5.5
	3	SV300B	SV300C	134	9.0	9.75	6.75	7.25
FLANGED	3	-	FSV300C	134	10.62	10.75	7.0	7.25
	4	-	FSV400C	275	11.75	14.75	10.0	8.75
	6	-	FSV600C	680	17.0	19.0	13.5	15.75

## SAMPLE SPECIFICATION

Valve shall be a MODEL # \_\_\_\_\_  
diaphragm actuated, solenoid-controlled design, as manufactured by WCC

Pipe size shall be \_\_\_\_\_ inch

THREADED or  FLANGED

Valve body shall be constructed of

CAST IRON or  BRASS

Valve shall be provided as

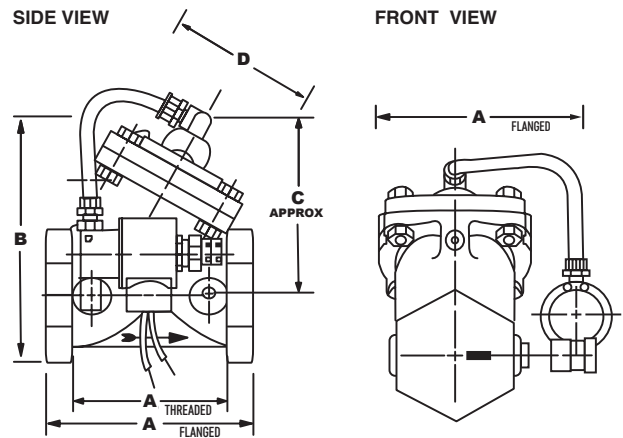
NORMALLY OPEN or  NORMALLY CLOSED

Electrical shall be

(24v - 60hz) or  (120v - 60hz) or  (220v - 60hz) or  (24V DC)

Minimum Cv rate across valve shall be \_\_\_\_\_

*NOTE: Valve vent shall be directed to floor drain or suitable receptacle*



Aquamatic Metal Diaphragm Valves certified by IAPMO R&T to NSF/ANSI 61 and NSF/ANSI 372 for lead-free compliance



CONTACT YOUR LOCAL SALES REPRESENTATIVE

To find your authorized WCC representative, please visit: [www.watercontrolinc.com/representative-locator/](http://www.watercontrolinc.com/representative-locator/).



VISIT US ONLINE

Go to [www.watercontrolinc.com](http://www.watercontrolinc.com), where you'll find detailed product specification info and application design questionnaires.



SPEAK DIRECTLY WITH ONE OF WCC'S DESIGN ENGINEERS

Call 1-866-405-1268 or email [techsupport@watercontrolinc.com](mailto:techsupport@watercontrolinc.com).

*We look forward to working with you!*

Water Control Corporation  
7150 143rd Ave NW • Ramsey, MN 55303  
Phone: 763-427-9638 • Fax: 763-427-5665  
[www.watercontrolinc.com](http://www.watercontrolinc.com)

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