AQUAMATIC® K52 SERIES SOLENOID COMPOSITE CONTROL VALVES

CONSTRUCTED OF CORROSION-RESISTANT MATERIALS

MADE IN THE USA
OF FOREIGN & DOMESTIC PARTS

FEATURES/BENEFITS

The unique Y-pattern design with large seat opening and high lift disc permits higher flow rates at lower pressure loss than other comparable valves

All components can be serviced while the valve is in-line

Separate flow and control chambers permit positive closing without springs

Pre-formed, stress-relieved diaphragm minimizes fatigue, maximizes valve responsiveness and diaphragm lifetime

Diaphragm acts as an actuator, eliminating the need for electric or pneumatic actuators

All internal parts in contact with media are made of composite materials*

Seals are ethylene propylene for better chemical resistance**

K52 Series Valves are available in sizes from 1/2"- 2"

A variety of available end connectors make the valve compatible for 3/8"-3" pipe sizes

Adaptable to a wide variety of control devices

OPTIONS

Normally open [standard]

Normally closed*

Spring-assist closed

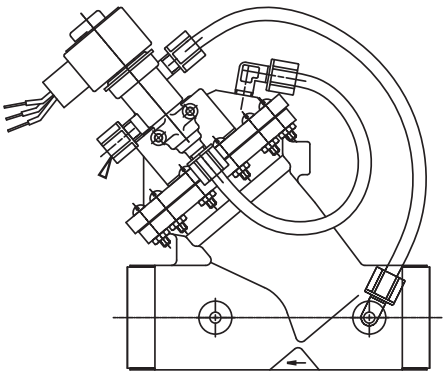
Spring-assist open

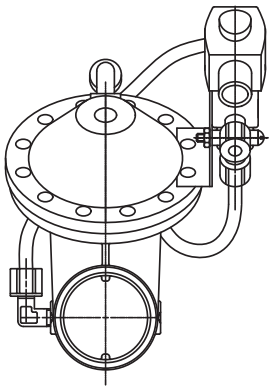
Limit stop for flow control

Position indicator

Seal and diaphragm materials for special applications

Union End Connectors - Female socket weld connectors for easy installation and the ability to remove the valve without disrupting the service piping





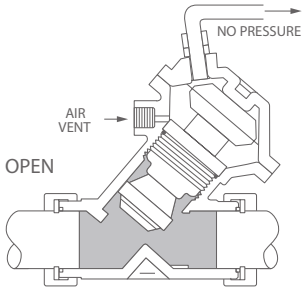
TYPICAL APPLICATIONS

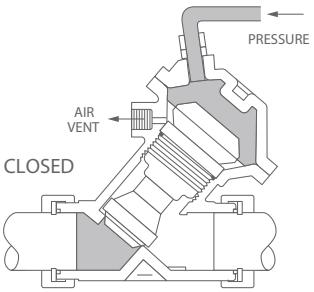
Chemical Injection
Deionizers
Desalinization
Detergent and Bleach Handling
Electronic Industry
Evaporation
Fertilizer Spray Equipment
Level Control Systems
Metal Recovery Systems
Mining Wastes
Process Water Systems
Water Treatment Systems

*Normally closed valve configurations are NOT recommended when used with corrosive fluids.
** Valves are NOT recommended for use with any aromatic, hydrocarbon-based media.

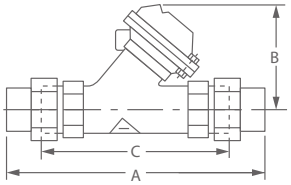
DIMENSIONS

MODEL #	PIPE SIZE	DIMENSIONS (APPROXIMATE)					
		A	B	C	D	E	F
K520	1/2"	7" (177.8 mm)	2.62" (66.5 mm)	4.87" (123.7 mm)	–	–	–
K521	1"	9" (228.6 mm)	4.06" (103.1 mm)	6.31" (160.3 mm)	–	–	–
K524	1-1/2"	12.5" (317.5 mm)	5.06" (128.5 mm)	9.31" (135.0 mm)	–	–	–
K524	2"	10.50" (266.7 mm)	5.06" (128.5 mm)	–	–	–	–
K526	2-1/2"	15" (381.0 mm)	7.31" (185.7 mm)	–	–	–	–
K524	2"	10.5" (266.7 mm)	5.06" (128.5 mm)	–	–	–	–
K526	2-1/2"	15" (381.0 mm)	7.31" (185.7 mm)	–	–	–	–
K520	1/2"	7" (177.8 mm)	2.62" (66.5 mm)	3.93" (99.8 mm)	–	–	–
K521	1"	9" (228.6 mm)	4.06" (103.1 mm)	4.50" (114.3 mm)	–	–	–
K524	1-1/2"	12.5" (336.5 mm)	5.06" (128.5 mm)	7.75" (196.8 mm)	–	–	–
K524	2"	9" (226.6 mm)	5.06" (128.5 mm)	6.00" (152.4 mm)	.75" (19.05 mm)	4.75" (120.85 mm)	.688" (174.8 mm)
K525	2-1/2"	11.37" (288.8 mm)	7.31" (185.7 mm)	6.94" (176.3 mm)	.94" (23.9 mm)	5.50" (139.7 mm)	6.88" (174.8 mm)
K526	3"	12.37" (314.2 mm)	7.31" (185.7 mm)	7.38" (187.5 mm)	1.81" (45.9 mm)	6.000" (152.4 mm)	.750" (19.05 mm)

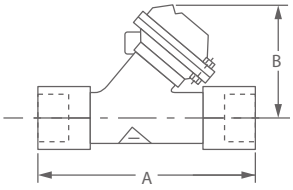




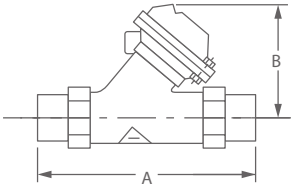
Union End Connectors



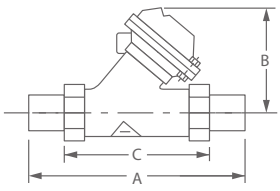
Female Socket Weld End Connectors



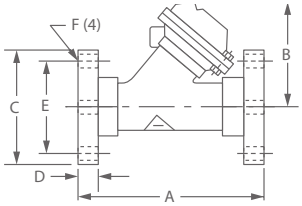
Male Socket Weld End Connectors



Grooved Adaptor Connectors



Flanged Socket Weld End Connectors



OPERATING SPECIFICATIONS

Max Pressure	125 psi (8.6 bar)
Max Temperature	140°F (60°C)

PERFORMANCE DATA