

Beginning in 2007 Geoflow will be introducing a new solenoid valve, the SVLVB.

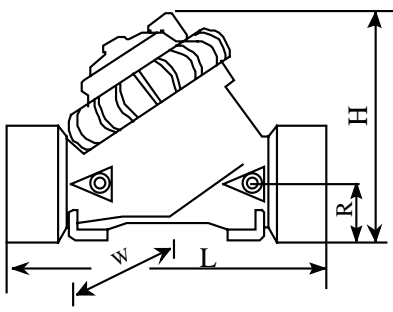
Recognized for its efficiency and productivity, the new SVLVB valves have been tried and tested in onsite wastewater applications.

### Description

The Solenoid Valve is used to flush field and filters and as zone valves. It is electrically operated. It is normally closed, and in the event of a power failure the valve will close. Geoflow does use normally open solenoid valves in the dual filter headworks. These may be special ordered

### New 2007 Model Globe Valve 1" and 1.5"



	SVLVB-100	SVLVB 150	SVLVB 200	SVLVB 300
				
Inlet/Outlet Size (FNPT)	1"	1.5"	2"	3"
Body Pattern	Globe	Globe	Y	Y
Length (L)	4.3"	6.3"	9.0"	12.2"
Height (H)	4.5"	7.2"	7.4"	11.0"
Width (W)	3.0"	5.0"	5.4"	
R	7/8"	1-3/8"	1-5/8"	4.0"
Weight	12.5 oz	2.2 lbs.	2.97 lbs.	8.8 lbs.
Valve Pattern	Globe	Globe	Wye	Wye
Operating Range	10-150 psi	10-150 psi	7-140 psi	7-140 psi
Max pressure	180° F	180° F	180° F	180° F
Materials				
Body & cover	Nylon reinforced	Nylon reinforced	Glass filled nylon	Glass filled nylon
Metal Parts	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Diaphragm	Natural Rubber	Natural Rubber	NBR (Buna-N), nylon reinforced fabric	NBR (Buna-N), nylon reinforced fabric
Seals	NBR & NR	NBR & NR	NBR (Buna-N)	NBR (Buna-N)

**Installation**

The manual bleed lever should always be in the VERTICAL position and the dial on top should be free spinning. Clockwise rotation closes valve.

Pressure Loss through valves (in psi)

Recommended minimum pressure differential: 7 psi

**Y Valve  
2" and 3"**



**Maximum Length of wire run- Controller to Valve**

# Wire	Resistance Ohm/ 1000'	Maximum Run
#18	6.39	800 ft.
#16	4.02	1,275 ft.
#14	2.58	2,000 ft.
#12	1.62	3,200 ft.
#10	1.02	5,100 ft.
#8	0.641	8,000 ft.
#6	0.403	12,750 ft.
#4	0.253	20,500 ft.
#2	0.158	32,500 ft.

**Electrical data:**

Wiring requires a single lead from the controller to each solenoid valve, plus a common neutral to all solenoids. Type UF wire, UL listed, is recommended for all hookups.

Standard 24V ACV (50-60Hz)

Current Holding 0.24A 5.76 VA

Current Inrush 0.46A 11.04VA

Maximum allowable loss 4.8 Volts for the 24V AC system

Contact Geoflow for optional voltages or larger valves

Maximum Voltage loss with a valve with a three way Solenoid is 4.8 volts

**Solenoid Valve Flow vs. Pressure Chart**

