



VALVES

SILVER BULLET VALVE

✔ Superior Material

- Glass-filled nylon construction gives the Silver Bullet added strength over conventional PVC valves.
- Pick up a Silver Bullet in one hand and any other valve in the other to feel the difference.

✔ Multi-Bolt Cover

- Stainless steel bolts easily thread in and out of quality brass inserts.
- Silver Bullet installers will tell you they rarely need to open a Weathermatic valve. When you do, it is easy to open and easier to close than most valves using screws or jar tops that are susceptible to stripping, dirt, and grit.

✔ Unmatched Manual Bleed

- Send the Silver Bullet into action by simply pulling the trigger.
- It's the easiest, driest internal manual bleed in the business that won't flood the valve box.
- No twisting on a solenoid or bleed screw is required.

✔ Shocking Shock Cone

- The Silver Bullet puts the hammer to water hammer by incorporating a cone-shaped diaphragm base.
- The shock cone interrupts the water flow more gradually than other diaphragms to enable quick valve closure without the damaging effect of water hammer.

✔ Valve Identification System

- Valve size and performance ratings
- Zone number identification
- Date code information
- Bar coding



✔ Revolutionary Reverse Flow Design

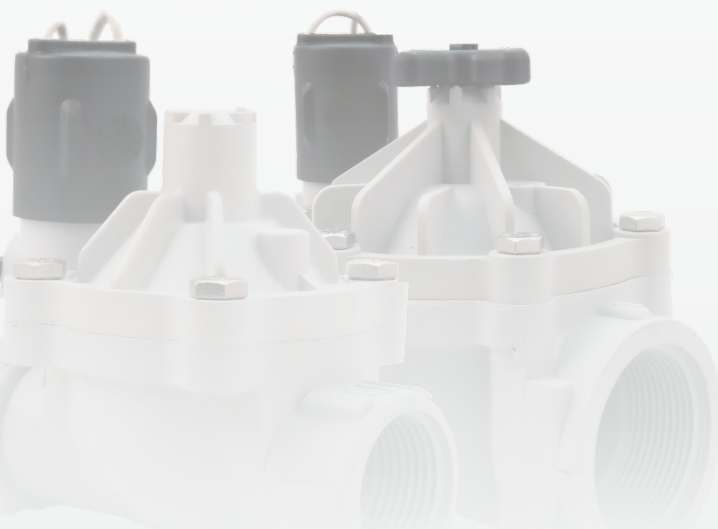
- The Weathermatic hallmark reverse flow design with a 50-year track record brings you:
- Reverse flow design means the valve fails shut rather than open in the event of diaphragm failure, unlike conventional forward flow valves that fail open.
- Balanced pressure on the diaphragm extends valve life over forward flow valves.
- Self-cleaning function is achieved as diaphragm actually flexes during operation to send dirt and debris down the line without the maintenance worry of filters and screens.

✔ 20- Year Track Record

- The Silver Bullet track record shows less than a fraction of 1% return rate over 20+ years of reliable performance.

✔ Amazing Value for the Price!

- Seasoned installers know that valves are the last place to cut expenses when just one call-back eliminates any cost savings on the job.
- Plus, the Silver Bullet makes it easy - you can install the ultimate in commercial quality of a Weathermatic valve at an economical valve price!



SILVER BULLET SPECIFICATIONS

MODEL	DESCRIPTION	INTERNATIONAL MODEL
SB-10-HP	1" 24 VAC	SB-10-HP-ISO
SB-10F-HP	1" 24 VA with Flow Control	SB-10F-HP-ISO
SB-15-HP	1 1/2" VAC with Flow Control	SB-15-HP-ISO
SB-20-HP	2" VAC with Flow Control	SB-20-HP-ISO





VALVES SILVER BULLET VALVE

- 5 year trade warranty and 100% water tested
- 150PSI (10.3 BAR) rating
- Unique “reverse flow” design permits equal pressure distribution on both sides of the diaphragm, regardless of line pressure, providing zero stress to prevent “stretching,” a common cause of valve failure
- Diaphragm’s self cleaning ports constantly flex, inhibiting sand and silt from blocking valve action
- Molded shock cone for smooth operation and reduction of water hammer
- Easy-to-use internal manual bleed lever; bleeds valve downstream; has positive stops for open and closed positions
- Marine-grade S20P solenoid with stainless steel actuator
- High-strength glass-filled nylon body and cover with 1/4” stainless steel cover bolts and mating brass body inserts
- Non-rising flow control stem throttles valve from full open to closed position on flow control models
- Pressure activated diaphragm
- For MASTER VALVE Applications add -S24B to model

Application	Residential/Commercial
Flow Range	0.2 to 180 GPM 0 to 3.5 m ³ /hr
Pressure Rating	150 PSI (10.3 BAR)
Sizes	1”, 1 1/2”, 2”
XPR Compatible	✓
Dirty Water	✓
Non-Potable Water	✓
Decoder System Compatible	✓
Use as Master Valve	Add S24B solenoid
Warranty	5 years
Factory Installed Options	-XP -NP

DIMENSIONS

5” L x 3.13” W x 4.75” H
(12.7 cm x 7.95 cm x 12.07 cm)

ELECTRICAL

<u>24VAC/60HZ</u>	<u>24VAC/50Hz</u>
Inrush: 9.48 VA	Inrush: 10.66 VA
Holding: 5.11 VA	Holding: 5.97 VA

Wiring requires a single lead from the controller to each solenoid, plus a common neutral to all solenoids; type UF wire, U.L. listed, is recommended for all hookups

SILVER BULLET SERIES VALVE PRESSURE LOSS

FLOW GPM	SB-10-HP 1”	SB-15F 1 1/2”	SB-20F 2”	FLOW M3/HR	SB-10-HP-ISO 2.54 CM	SB-15-HP-ISO 3.81 CM	SB-20-HP-ISO 5.08 CM
0-4	1.2 max			0-0.9	0.08		
6	1.7			1.0	0.12		
8	2.5			2.0	0.17		
10	3.0			2.5	0.21		
15	3.9			3.0	0.27		
20	4.6	1.3		5.0	0.32	0.09	
25	5.2*	1.6		6.0	0.36*	0.11	
30	6.3	1.9		7.0	0.43	0.13	
35	7.3	2.4		8.0	0.50	0.17	
40		3.0	2.3	9.0		0.21	0.16
45		3.8	2.4	10.0		0.26	0.17
50		4.6	2.6	11.0		0.32	0.18
55		5.6*	2.7	12.0		0.39*	0.19
60		6.7	2.9	14.0		0.46	0.20
70		9.5	3.3	16.0		0.66	0.23
80		13.0	3.4	18.0		0.90	0.23
90			4.2	20.0			0.29
100			5.2*	22.0			0.36*
110			6.7	24.0			0.46
120			7.7	26.0			0.53
130			8.8	30.0			0.61

* Minimum recommended flow for valves with XPR option or PRK-24 accessory.

OPTIONS (FACTORY INSTALLED)

- XPR Pressure Regulator—the Weathermatic XPR pressure regulating module senses inlet pressure and maintains constant outlet pressure. (see PRK-24 in valve accessory section for specifications)
- Non-potable alert flow handle may be substituted for the standard flow handle. Add -NP suffix.