



# VALVES

## SILVER BULLET HP SERIES

### ✓ 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        |



**100 gallons** given per valve

Our mission is to deliver clean drinking water to thousands of families in need, and to inspire our partners to put water first in irrigation, design, installation, and maintenance.

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### Silver Bullet Series

#### DIMENSIONS

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

#### FLOW RANGE

0.2 to 180 GPM  
0 to 3.5 m<sup>3</sup>/hr

#### ELECTRICAL

|                  |                  |
|------------------|------------------|
| 24VAC/60HZ       | 24VAC/50Hz       |
| 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

### FEATURES

- 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
- Valve identification system



### Silver Bullet Series Valve Pressure Loss

| FLOW GPM | SB-10-HP 1" | SB-15-HP 1 1/2" | SB-20-HP 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.



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