

## SILVER BULLET SEVEN



Consider 7 Compelling Reasons why the 12000 Series Silver Bullet is the Smart Solution!

### 1 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

### 2 BOLT-ON COVER

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

### 3 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

### 4 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



### 5 REVOLUTIONARY REVERSE FLOW DESIGN

*The Weathermatic hallmark reverse flow design with a 45-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

### 6 15 YEAR TRACK RECORD

- The Silver Bullet track record shows less than a fraction of 1% return rate over 15+ years of reliable performance

### 7 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 commercial quality of a Weathermatic valve at a residential valve price!



**12000 SERIES – SILVER BULLET REMOTE CONTROL VALVE**

**FEATURES**

- 100% water tested
- Unique “reverse flow” porting 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
- Reverse flow design for water conservation in the event of 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 stops for open and closed positions
- Marine-grade S20P solenoid with stainless steel actuator
- High-strength glass-filled nylon body and cover with ¼” 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
- 150 psi (10,3 bar) rating

**ELECTRICAL**

- 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

24VAC/60HZ	24VAC/50HZ
Inrush: 9.48 VA	Inrush: 10.66 VA
Holding: 5.11 VA	Holding: 5.97 VA

- Do not use nominal voltage ratings listed above for sizing of valve wire

**MODELS**

- 12024E-10-H 1" FIP\*
- 12024EF-10-H 1" FIP with flow control\*
- 12024EF-15-H 1 ½" FIP with flow control\*
- 12024EF-20-H 2" FIP with flow control\*

\* International: specify ISO



**12000 SERIES VALVE**

Flow gpm	STANDARD (pressure loss PSI)			Flow m³/h	METRIC (pressure loss Bar)		
	12024E-10-H 1"	12024E-15-H 1 ½"	12024E-20-H 2"		12024E-10-H 1"	12024E-15-H 1 ½"	12024E-20-H 2"
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.

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