

# 95 Series "SPRITE" MOTORIZED BALL VALVES



The model 95 series, "SPRITE", is a mini 2-way motorized ball valve designed as an economical alternative to solenoid valves for use in high-fouling, cooling water environments. It is considered "mini" because it only measures approximately 3 inches wide by 3 inches tall.

The Sprite is motor-driven open by line voltage and motor-driven closed by way of a built in capacitor. This has the benefit of ensuring that the valve will close even on a complete loss of power and it only requires two wires to power it.

The long service life valve and actuator (approximately 70,000 to 100,000 cycles) includes a manual override and a visual indicator of valve position.

## 95 Series Specifications

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### Valve

|                     |   |
|---------------------|---|
| Sizes               | 1/2, 3/4, and 1 inch                              |
| Body/Ball/Stem      | CPVC, Chrome-Plated Brass, or 316 Stainless Steel |
| Seal                | EPDM  |
| Seat                | PTFE  |
| Threads             | NPT (Female)                                      |
| Maximum Pressure    | 145 psi CPVC; 232 psi Brass; 232 psi Stainless    |
| Maximum Temperature | 140°F (60°C)                                      |
| Max Delta-P         | 100 psi to fully close                            |

### Actuator

|                  |                               |
|------------------|-------------------------------|
| Housing Material | ABS                           |
| Ambient Temp     | -4°F to 113°F (-20°C to 45°C) |
| Rating           | IP67                          |
| Max Torque       | 2 Nm                          |
| Power Supply     | 120/240 VAC                   |
| Max Power        | 5 W                           |
| Current          | 25 ±5 mA                      |
| Running Time     | 5 - 7 seconds                 |

## ORDERING INFORMATION VALVE ASSEMBLY MODEL NUMBER

| <b>SIZE</b> | <b>CPVC</b> | <b>CHROME/BRASS</b> | <b>SS</b> |
|-------------|-------------|---------------------|-----------|
| ½ inch      | 95SP50      | 95SB50              | 95SS50    |
| ¾ inch      | 95SP75      | 95SB75              | 95SS75    |
| 1 inch      | 95SP100     | 95SB100             | 95SS100   |



Sprite shown with J-Box Option

## 95 SERIES "SPRITE" MOTORIZED BALL VALVES

| <b>PART NO.</b> | <b>DESCRIPTION</b>                                   |
|-----------------|--|
| 1269072         | 95SP50, ½" CPVC MOTORIZED BALL VALVE                 |
| 1269073         | 95SP75, ¾" CPVC MOTORIZED BALL VALVE                 |
| 1269074         | 95SP100, 1" CPVC MOTORIZED BALL VALVE                |
| 1269076         | 95SB50, ½" chrome-plated brass MOTORIZED BALL VALVE  |
| 1269077         | 95SB75, ¾" chrome-plated brass MOTORIZED BALL VALVE  |
| 1269078         | 95SB100, 1" chrome-plated brass MOTORIZED BALL VALVE |
| 1269080         | 95SS50, ½" 316 SS MOTORIZED BALL VALVE               |
| 1269081         | 95SS75, ¾" 316 SS MOTORIZED BALL VALVE               |
| 1269082         | 95SS100, 1" 316 SS MOTORIZED BALL VALVE              |
| 1269262         | J-BOX OPTION   |

**NOTE:** Other materials and sizes are available with minimum 100 piece buy.

# 9500 Series COOLING WATER BLOWDOWN VALVES



## 950X SERIES PLASTIC VALVE ASSEMBLIES

|  |                  |
|--|------------------|
| Body   | PVC              |
| Sizes  | ½ to 2 inch      |
| Guide  | 316 SS           |
| Flow Control                                 | Set screw        |
| Diaphragm                                    | Buna-N           |
| Differential Pressure                        | 10 psi to open   |
| Max Pressure                                 | 50 psi (3.4 bar) |
| Max Temperature                              | 120°F (49°C)     |
| Supplied with 120 VAC to 24 VAC power supply |                  |

## 951X SERIES BRASS VALVE ASSEMBLIES

|                       |                    |
|-----------------------|--------------------|
| Body                  | Brass              |
| Sizes                 | ½ to 1 inch        |
| Diaphragm             | Viton              |
| Differential Pressure | 10 psi to open     |
| Max Pressure          | 235 psi (16.2 bar) |
| Max Temperature       | 180°F (82°C)       |
| Power                 | 120 VAC            |

## ORDERING INFORMATION VALVE ASSEMBLY MODEL and PART NUMBER

| <u>SIZE</u> | <u>PLASTIC</u> | <u>BRASS</u>   | <u>FLOW RANGE*</u> |
|-------------|----------------|----------------|--------------------|
| ½ inch      | 9501 (1167433) | 9511 (1166666) | 1-10 gpm           |
| ¾ inch      | 9502 (1167434) | 9512 (1166667) | 5-15 gpm           |
| 1 inch      | 9503 (1167435) | 9513 (1166668) | 10-40 gpm          |
| 1½ inch     | 9504 (1167436) | -              | 15-80 gpm          |
| 2 inch      | 9505 (1167437) | -              | 20-150 gpm         |

\* Flow range is a rough approximation for pressure differentials from 1 to 50 psi (0.01 to 3.4 bar)

| <u>PART NO.</u> | <u>DESCRIPTION</u> |
|-----------------|--------------------|
|-----------------|--------------------|

|         |   |
|---------|---|
| 1167433 | 9501, ½" plastic diaphragm bleed valve  |
| 1167434 | 9502, ¾" plastic diaphragm bleed valve  |
| 1167435 | 9503, 1" plastic diaphragm bleed valve  |
| 1167436 | 9504, 1½" plastic diaphragm bleed valve |
| 1167437 | 9505, 2" plastic diaphragm bleed valve  |
| 1166666 | 9511, ½" brass diaphragm bleed valve    |
| 1166667 | 9512, ¾" brass diaphragm bleed valve    |
| 1166668 | 9513, 1" brass diaphragm bleed valve    |



**GV**  
**Part no. 1167520**

The GV is a **1/2 inch** NPT Globe Valve and is used for throttling or metering the flow restriction near the boiler sensor to prevent steam flashing.

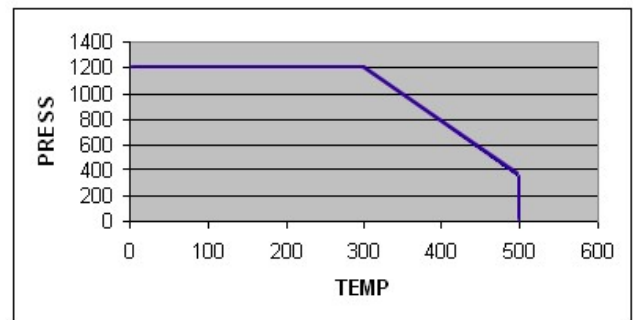


**MBV1**  
**Part no. 1268608**

- Size           **1/2 inch NPT**
- Body           **Carbon Steel**
- Rating         **400 psi (27.58 bar) @  
486°F (252°C)**
- Seals          **Jamesbury XTREME®**
- Ball            **316 SS**

**MBV2**  
**Part no. 1268614**

- Size           **3/4 inch NPT**
- Body           **Carbon Steel**
- Rating         **400 psi (27.58 bar) @  
486°F (252°C)**
- Seals          **Jamesbury XTREME®**
- Ball            **316 SS**



**PART NO.      DESCRIPTION**

|                |  |
|----------------|--|
| <b>1167520</b> | <b>GV, Globe valve</b>                     |
| <b>1268608</b> | <b>MBV1, 1/2 inch motorized ball valve</b> |
| <b>1268614</b> | <b>MBV2, 3/4 inch motorized ball valve</b> |