



## 1800®-SAM Series

4", 6", 12" (10.2 cm, 15.2 cm, 30.5 cm)

- Built-in Seal-A-Matic™ (SAM) check valve. Eliminates the need for under-the-head check valves. No parts to be installed at the site
- Traps water in lateral pipes in elevation changes of up to 14 feet (4.2 m). Reduces wear on system components by minimizing water hammer during start-up
- Even stronger retract spring to accommodate elevation changes up to 14 feet (4.2 m). One of the strongest springs in the industry



1800-SAM

### Features

- Prevents drainage from spray heads at lower elevations. Stops water waste. Ends landscape damage due to flooding and/or erosion
- Designed for use with all Rain Bird plastic spray head nozzles
- "SAM" stamped on cap for easy identification and maintenance
- Five-year trade warranty

### Operating Range

- Spacing: 3 to 24 feet (0.9 to 7.3 m)\*
- Pressure: 25 to 70 psi (1.7 to 4.8 bar)

### Specifications

- SAM capability: holds up to 14 feet (4.2 m) of head; 6 psi (0.4 bar)
- Flow-by: 0 at 8 psi (0.6 bar) or greater; 0.10 gpm (0.11 m<sup>3</sup>/h; 1.80 l/m) otherwise

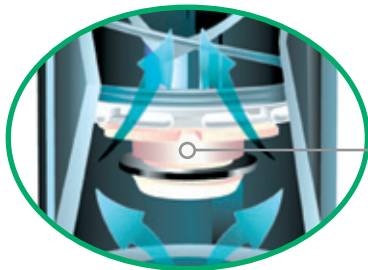
### Dimensions

- ½" (15/21) female threaded inlet
- Body height:
  - 1804-SAM: 6" (15.2 cm)
  - 1806-SAM: 9.38" (23.8 cm)
  - 1812-SAM: 16" (40.6 cm)
- Exposed surface diameter: 2¼" (5.7 cm)

### Models

- 1804-SAM: 4" pop-up height (10.2 cm)
- 1806-SAM: 6" pop-up height (15.2 cm)
- 1812-SAM: 12" pop-up height (30.5 cm)

\* 3 to 18 feet with standard Rain Bird Spray Head Nozzles (MPR, VAN, U-Series)  
13 to 24 feet with Rain Bird Rotary Nozzles



Built in Seal-A-Matic check valve prevents low-head drainage, ideal for use in changing elevations

### How To Specify

#### 1804-SAM-15H

Nozzle Series/Pattern  
15H: 15 Series MPR  
nozzle with half-circle  
pattern

Optional Feature  
SAM: Seal-A-Matic check valve

Model  
1804: 4" (10.2 cm) pop-up height



1800-SAM Series reduces water waste by preventing drainage from spray heads at lower elevations