

1800®-SAM, 1800®-PRS, 1800®-P45, 1800®-SAM-PRS, 1800®-SAM-P45 Series

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

Features

- **1800®-SAM Series:** Built-in Seal-A-Matic™ (SAM) check valve. Eliminates the need for under-the-head check valves. 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
- **1800®-PRS Series:** Maintains constant outlet pressure at 30 psi (2.1 bar). PRS pressure regulator built into the stem simplifies system design. Eliminates misting and fogging caused by high pressure. Saves time and money
- **1800®-P45 Series:** Maintains constant outlet pressure at 45 psi (3.1 bar). P45 pressure regulator built into the stem simplifies system design. Eliminates misting and fogging caused by high pressure. Saves time and money
- **1800®-SAM-PRS Series:** Incorporates all 1800 Series SAM and PRS features. Meets the needs of all spray areas, regardless of changing elevation or water pressures
- **1800®-SAM-P45 Series:** Incorporates all 1800 Series SAM and P45 features. Maintains constant outlet pressure at 45 psi (3.1 bar) at varying inlet pressures. Ensures maximum spray body and nozzle performance, even with varying inlet pressures. Maintains constant pressure regardless of nozzle used

Specifications

- 4", 6", 12" (10.2 cm, 15.2 cm, 30.5 cm)
- SAM capability: holds up to 14 feet (4.2 m) of head; 6 psi (0.4 bar)
- PRS and P45 models regulate nozzle pressure to an average 30 or 45 psi (2.1 or 3.1 bar) with inlet pressures of up to 70 psi (4.8 bar)
- Flow-by: 0 gpm at 8 psi (0.6 bar) or greater; 0.10 gpm (0.02 m³/h; 0.36 l/m) otherwise
- Installation: side or bottom inlet
- Side inlet installation not recommended in freezing climates
- Five Year Trade Warranty

1800®-SAM 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)

1800®-PRS Models

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

1800®-P45 Models

- 1804 P45: 4" pop-up height (10.2 cm)
- 1806 P45: 6" pop-up height (15.2 cm)
- 1812 P45: 12" pop-up height (30.5 cm)

1800®-SAM-PRS Models

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

1800®-SAM-P45 Models

- 1804-SAM-P45: 4" pop-up height (10.2 cm)
- 1806-SAM-P45: 6" pop-up height (15.2 cm)
- 1812-SAM-P45: 12" pop-up height (30.5 cm)

Operating Range

- Spacing: 2.5 to 24 feet (0.8 to 7.3m)*
- Pressure: 15 to 70 psi (1.0 to 4.8 bar)



1800-SAM



1800-PRS



1800-PRS-45



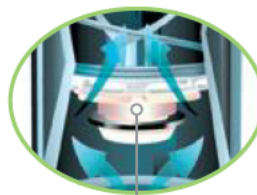
1800-SAM-PRS



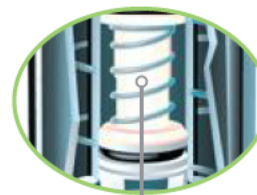
1800-SAM-P45



When using 30psi and 45psi
pressure regulating
spray heads



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



Patented pressure regulator in stem
compensates for high or fluctuating
water pressure to ensure maximum
performance

* 2.5 to 18 feet with standard Rain Bird Spray Head Nozzles (SQ, MPR, VAN, HE-VAN, U-Series), 8 to 24 feet with Rain Bird Rotary Nozzles (R-VAN)