

1800® Series

The #1 irrigation spray head in the world

Features

- Co-molded wiper seal provides unmatched resistance to grit, pressure and the environment
- Constructed of time-proven UV-resistant plastic and corrosion resistant stainless steel parts, ensuring long product life
- Precision controlled flush at pop-down clears debris from unit, assuring positive stem retraction in all soil types
- Two-piece ratchet mechanism allows easy nozzle pattern alignment and provides added durability
- Five Year Trade Warranty

Operating Range

- Spacing: 0.8 to 7.3m**
- Pressure: 1.0 to 4.8 bar

Specifications

- Flow-by: 0 at 0.6 bar or greater; 20 l/h otherwise

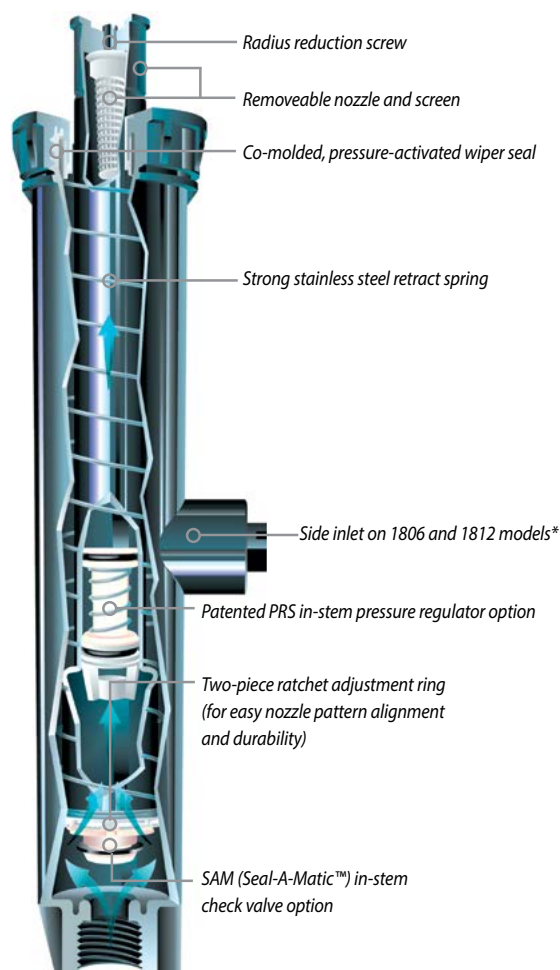
Dimensions/Models

Select models shown. Review your regional price list for complete availability.

- ½" NPT female threaded inlet
- Models and height:
 - 1802: 10 cm (4") body height; 5 cm (2") pop-up height
 - 1804: 15 cm (6") body height; 10 cm (4") pop-up height
 - 1806: 23 cm (9 ⅜") body height; 15 cm (6") pop-up height
 - 1812: 40 cm (16") body height; 30 cm (12") pop-up height
- Exposed surface diameter: 5.7 cm

* 1806 and 1812-SAM, SAMPRS, and SAM-PRS-45 units do not have a side inlet

** 0.8m to 4.6m with standard Rain Bird Spray Head Nozzles (SQ, U-Series, HE-VAN) 2.4m to 7.3m with Rain Bird Rotary Nozzles (R-VAN)



1800 Series



How to Specify

1804 SAM-PRS

Option

SAM: Seal-A-Matic™ check valve
PRS: Pressure regulator (30psi)
P45: Pressure regulator (45psi)

Pop-up Height

1802: 5 cm (2") pop-up height
1804: 10 cm (4") pop-up height
1806: 15 cm (6") pop-up height
1812: 30 cm (12") pop-up height

Model

1800 Series Spray Bodies

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

5.8 cm, 7.6 cm, 10.2 cm, 15.2 cm, 30.5 cm (2", 3", 4", 6", 12")

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 4.2 m. Reduces wear on system components by minimizing water hammer during start-up
- **1800®-PRS Series:** Maintains constant outlet pressure at 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 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 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

- 5.8 cm, 7.6 cm, 10.2 cm, 15.2 cm, 30.5 cm (2", 3", 4", 6", 12")
- SAM capability: holds up to 4.2 m of head; 0.4 bar
- PRS and P45 models regulate nozzle pressure to an average 2.1 or 3.1 bar with inlet pressures of up to 4.8 bar
- Flow-by: 0 at 0.6 bar or greater; 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: 10 cm (4") pop-up height
- 1806-SAM: 15 cm (6") pop-up height
- 1812-SAM: 30 cm (12") pop-up height

1800®-PRS Models

- 1802PRS: 5.8 cm (2") pop-up height
- 1803PRS: 7.6 cm (3") pop-up height
- 1804 PRS: 10 cm (4") pop-up height
- 1806 PRS: 15 cm (6") pop-up height
- 1812 PRS: 30 cm (12") pop-up height

1800®-P45 Models

- 1804 P45: 10 cm (4") pop-up height
- 1806 P45: 15 cm (6") pop-up height
- 1812 P45: 30 cm (12") pop-up height

1800®-SAM-PRS Models

- 1804-SAM-PRS: 10 cm (4") pop-up height
- 1806-SAM-PRS: 15 cm (6") pop-up height
- 1812-SAM-PRS: 30 cm (12") pop-up height

1800®-SAM-P45 Models

- 1804-SAM-P45: 10 cm (4") pop-up height
- 1806-SAM-P45: 15 cm (6") pop-up height
- 1812-SAM-P45: 30 cm (12") pop-up height

Operating Range

- Spacing: 0.8 to 7.3m*
- Pressure: 1.0 to 4.8 bar



1800-SAM



1800-PRS



1800-PRS-45



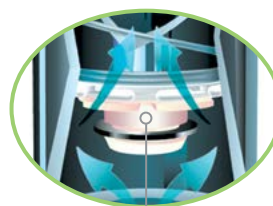
1800-SAM-PRS



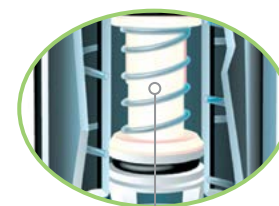
1800-SAM-P45



When using 2.1 bar and
3.1 bar 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

* 0.8m to 5.5m with standard Rain Bird Spray Head Nozzles (SQ, MPR, VAN, HE-VAN, U-Series), 2.4m to 7.3m with Rain Bird Rotary Nozzles (R-VAN)