

Spray Bodies



"We've installed more than 100,000 Rain Bird 1800 Series Spray Heads because we trust their consistent quality."

We've been using Rain Bird 1800 Series Spray Heads and Nozzles exclusively for nearly 20 years. Rain Bird products serve our customers well and have helped us become one of the leading landscape companies in the Portland area."

**Rodney Reed, President
Green Earth Landscaping, Inc.**

Major Products

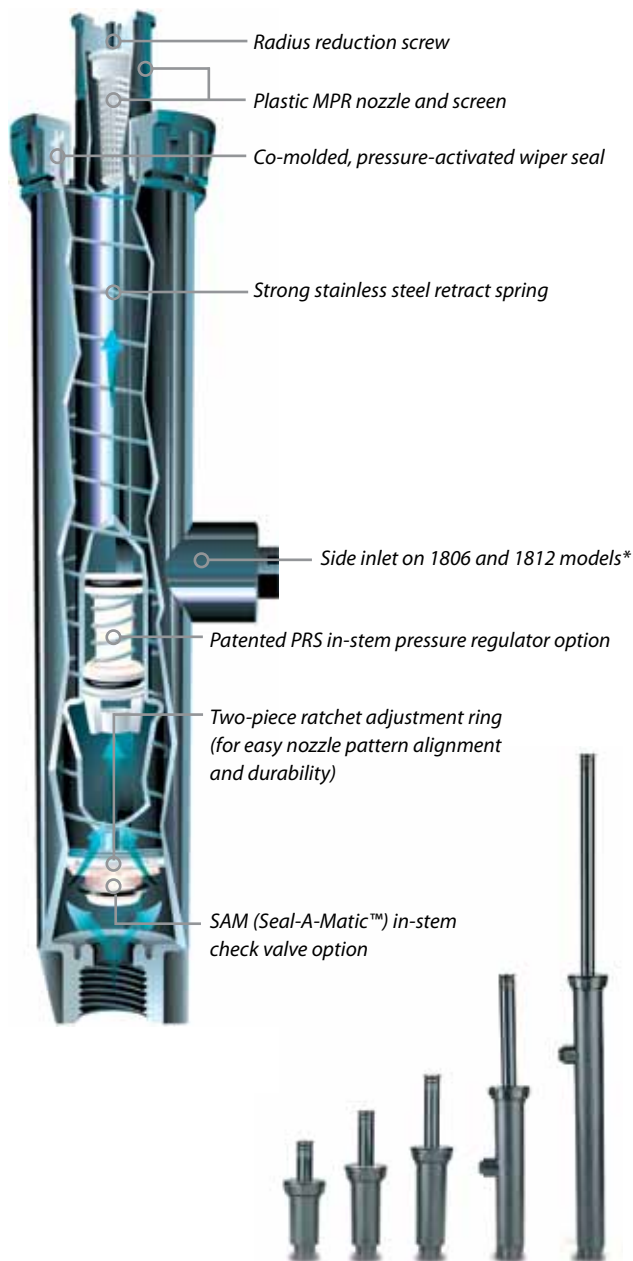
	1802	1803	1804	1806	1812	1800 PRS	1800 SAM	1800 SAM-PRS	US-200	US-400	US-600	1300/1400 Bubblers	PA-8S	PA-8S-PRS
Primary Applications														
Turfgrass	●	●	●	●		●	●	●	●	●	●			
Slopes							●	●	●*	●*	●*			
Ground Cover/Shrubs	●	●	●	●	●	●	●	●	●	●	●	●	●	●
High Pressure Systems						●		●				●		●
Low Pressure Systems	●	●	●	●	●				●	●	●	●	●	●
High Wind Areas	●	●	●	●	●	●	●	●	●	●	●	●	●	●

*Optional US-SAM check valve is retrofittable on all UNI-Sprays.™



Water Saving Tips

- The co-molded wiper seal on the 1800 reduces the amount of water that may leak out when its riser retracts, saving water and money
- The 1800-PRS Spray restricts water loss by up to 70% if the nozzle is removed or damaged. It also eliminates misting and fogging caused by high pressure which saves water and money
- The 1800-SAM and UNI-Spray SAM prevent drainage from spray heads at lower elevations, stop water waste, and eliminate landscape damage due to flooding and/or erosion



How To Specify

1804 - 15H

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

Model

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

1800® Series

2", 3", 4", 6", 12" (5.1 cm; 7.6 cm; 10.2 cm; 15.2 cm; 30.5 cm)

- Co-molded wiper seal is molded into the cap and features an encased plastic "cage" to provide unmatched resistance to grit, pressure, and the environment. Additionally, the pressure-activated, multi-function seal design assures a positive seal without excess "flow-by" which enables more heads to be installed on the same valve
- Strong stainless steel spring provides reliable stem retraction
- Two-piece ratchet mechanism on all models allows easy nozzle pattern alignment and provides added durability

Features

- Precision controlled flush at pop-down clears debris from unit, assuring positive stem retraction in all soil types
 - Pre-installed orange 1800 Pop-Top™ flush plug blocks debris, larger than nozzle filter screen openings, from entering after flushing. Allows for easy nozzle installation
- Constructed of time-proven UV-resistant plastic and corrosion resistant stainless steel parts, assuring long product life
- All 1800 Spray components are removable from the top without special tools, providing for quick and easy flushing and maintenance
- Side and bottom inlets featured on 1806 and 1812 (non-SAM) models*
- Five-year trade warranty

Operating Range

- Spacing: 3 to 24 feet (0.9 to 7.3 m)**
- Pressure: 15 to 70 psi (1.0 to 4.8 bar)

Specifications

- Flow-by: 0 at 8 psi (0.6 bar) or greater; 0.10 gpm (0.02 m³/h; 0.36 l/m) otherwise

Dimensions/Models

- ½" (15/21) NPT female threaded inlet
- Models and height:
 - 1802: 4" (10.2 cm) body height; 2" pop-up height (5.1 cm)
 - 1803: 47/8" (12.4 cm) body height; 3" pop-up height (7.6 cm)
 - 1804: 6" (15.2 cm) body height; 4" pop-up height (10.2 cm)
 - 1806: 93/8" (23.8 cm) body height; 6" pop-up height (15.2 cm)
 - 1812: 16" (40.6 cm) body height; 12" pop-up height (30.5 cm)
- Exposed surface diameter: 2¼" (5.7 cm)

* 1806 and 1812-SAM and SAM-PRS units do not have a side inlet.

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



Co-molded 1800 Series wiper seal significantly reduces the amount of water that may leak out when the riser retracts

1800®-PRS Series

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



- PRS pressure regulator built into the stem. No parts to be installed at the site. Saves time and money
- Maintains constant outlet pressure at 30 psi (2.1 bar). Spray bodies and nozzles perform best at 30 psi. Ensures maximum spray body and nozzle performance, even with varying inlet pressures. Maintains constant pressure regardless of nozzle used
- Ends misting and fogging caused by high pressure. Stops water waste. Ensures necessary watering occurs in high pressure or wind conditions

Features

- Restricts water loss by up to 70% if nozzle is removed or damaged. Saves water and money. Reduces possibility of accidents and property damage. Recommended for vandal-prone areas
- Designed for use with all Rain Bird plastic spray head nozzles
- "PRS" 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: 15 to 70 psi (1.0 to 4.8 bar)

Specifications

- Regulates nozzle pressure to an average 30 psi (2.1 bar) with inlet pressures of up to 70 psi (5.0 bar) (see graph)
- Flow-by: 0 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

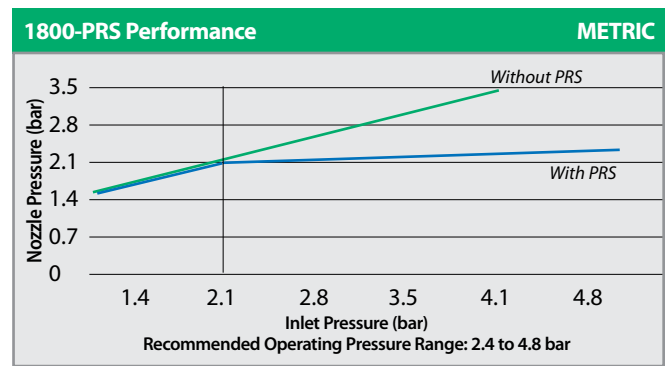
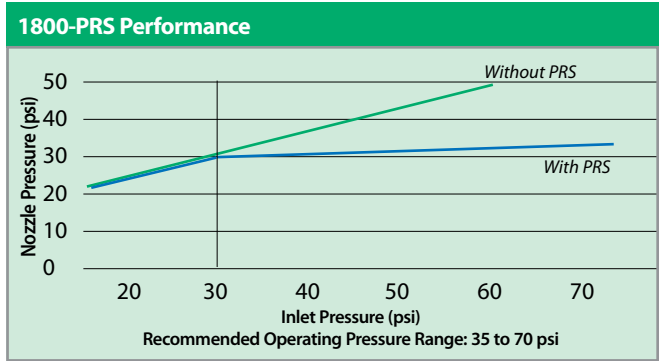
Dimensions

- ½" (15/21) female threaded inlets
- Body height:
 - 1804 PRS: 6" (15.2 cm)
 - 1806 PRS: 938" (23.8 cm)
 - 1812 PRS: 16" (40.6 cm)
- Exposed surface diameter: 2¼" (5.7 cm)

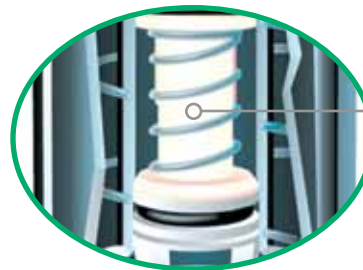
Models

- 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)

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



Performance data derived from tests that conform with ASAE Standards; ASAE S398.1. See page 224 for complete ASAE Test Certification Statement.



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



1800-PRS

How To Specify

1804- PRS- 15H

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

Optional Feature
PRS: In-stem pressure regulation

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



1800-PRS Series restricts water loss by up to 70% if nozzle is removed or damaged

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 m³/h; 1.80 l/m) otherwise

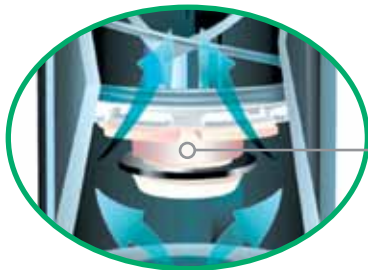
Dimensions

- 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

1800®-SAM-PRS Series

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

- Incorporates all 1800 Series SAM and PRS features
- Meets the needs of all spray areas, regardless of changing elevation or water pressures
- "SAM-PRS" stamped on the cap for easy identification and maintenance

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; 0.50 gpm (0.11 m³/h; 1.80 l/m) otherwise

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



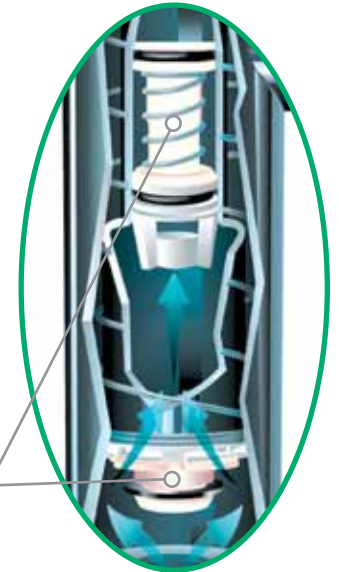
SAM-PRS

Dimensions

- ½" (15/21) female threaded inlet
- Body height:
1804-SAM-PRS: 6" (15.2 cm)
1806-SAM-PRS: 9 ¾" (23.8 cm)
1812-SAM-PRS: 16" (40.6 cm)
- Exposed surface diameter:
2 ¼" (5.7 cm)

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)



Top-of-the-line spray head includes all the features of the SAM and PRS series, ideal regardless of pressure or elevation

1800® -V Series

4" 1800 Series with pre-installed 12' or 15' VAN

Features

- This fast and convenient solution brings together the proven performance of the 1804 with the convenience and flexibility of VAN nozzles

Models

- 1804V12: 1804 with pre-installed 12 VAN
- 1804V15: 1804 with pre-installed 15 VAN

1800® VPC

Vandal-Proof Cap

Features

- Designed for vandal-prone areas
- Locking stainless steel set screw (¼" Hex; 2 mm Hex) at cap threads prevents tampering
- Fits any 1800® Series Spray Body
- "VPC" stamped on cap for easy identification

Model

- 1800 VPC



Locking Screw on 1800 VPC



1800 VPC

1800® NP Cover

Non-Potable 1800 Spray Head Cover

Features

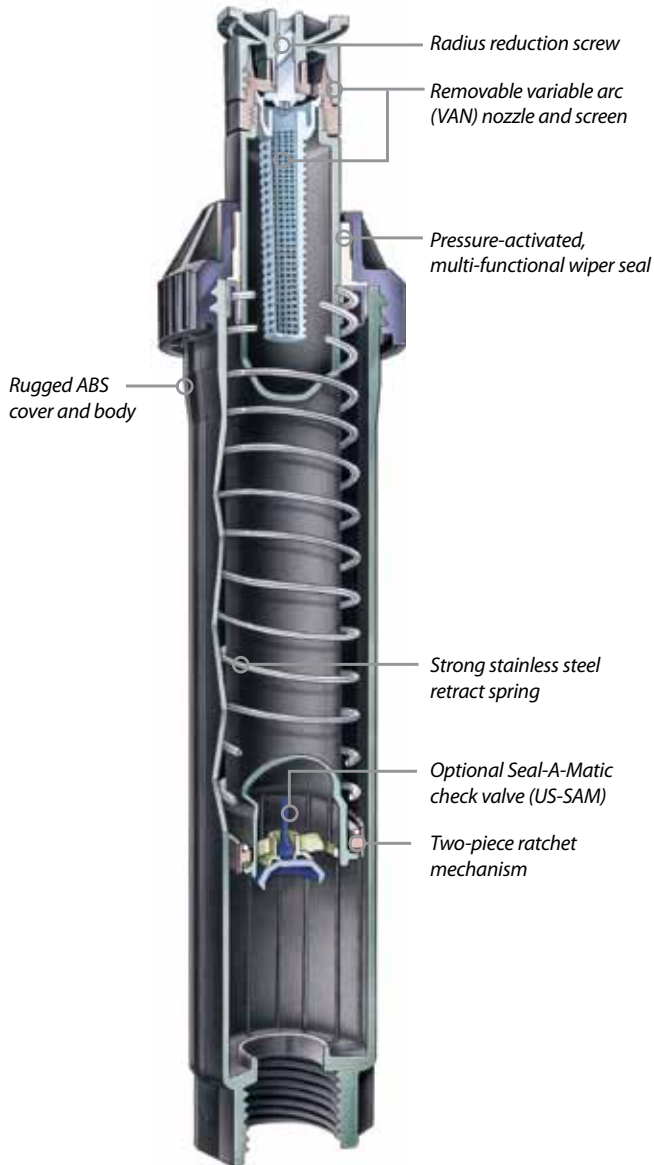
- Designed for excellent retention on 1800 Series Spray Body covers
- Purple plastic cover for easy identification of non-potable water system
- Marked with "Do Not Drink!" warning in both English and Spanish.
- Snaps onto all 1800® Series Spray Body covers

Model

- 1800-NPCAP



1800-NPCAP



UNI-Spray™ Series

2", 4", 6" (5.1 cm, 10.2 cm, 15.2 cm)

- Pressure-activated, multi-functional wiper seal prevents excessive flow-by and water waste. Keeps debris from entering upon retraction
- Durable two-piece stem ratchet allows for quick and easy nozzle pattern alignment
- Rugged cover and body provide durability in high pressure and surge conditions

Features

- Small exposed cover makes the unit virtually invisible for more attractive landscapes
 - Economical 6-inch (15.2 cm) pop-up model provides for unobstructed watering of today's taller turf grass varieties
- UNI-Spray accepts all Rain Bird® Nozzles and accessories, which simplifies inventory management
 - VAN nozzle and screen are easily removable for flushing
- Internal parts removable from the top of the sprinkler for easy servicing
- Optional field installable Seal-A-Matic™ check valve prevents low-head drainage up to 5 feet (1.5 m) of elevation difference
- Plastic and stainless steel materials resist corrosion

Operating Range (for pre-installed nozzle choices)

- Spacing:
 - 10 VAN Series: 8 to 10 feet (2.4 to 3.0 m)
 - 12 VAN Series: 10 to 12 feet (3.0 to 3.7 m)
 - 15 VAN Series: 12 to 15 feet (3.7 to 4.6 m)
 - 18 VAN Series: 14 to 18 feet (4.3 to 5.5 m)
- Pressure: 15 to 70 psi (1.0 to 4.8 bar)
- Optimum pressure: 30 psi (2.1 bar)
- Adjustable nozzle arc range: 0° - 360°

How To Specify

US - 4 - 15VAN

Nozzle Series/Pattern
VAN nozzle with
variable arc

Body
4" (10.2 cm)

Model
UNI-Spray



Variable Arc Nozzles

(10, 12, 15 or 18 feet)
may be ordered
pre-installed



Pressure-activated multi-functional UNI-Spray wiper seal significantly reduces the amount of water that may leak out when the riser retracts

Specifications

- Flow-by: 0 at 10 psi (0.75 bar) or greater; 0.20 gpm (0.04 m³/h; 0.60 l/m) otherwise

Dimensions

- 1/2" (15/21) NPT female threaded inlet
- Body height:
 - US-200: 3 3/4" (9.5 cm)
 - US-400: 5 7/8" (14.9 cm)
 - US-600: 8 1/4" (21.0 cm)
- Exposed surface diameter: 1 1/4" (3.2 cm)

Models*

- US-400: 4" pop-up height (10.2 cm)
- US-600: 6" pop-up height (15.2 cm)
- US-410 VAN 4" pop-up height (10.2 cm) with 10-VAN attached
- US-212 VAN 2" pop-up height (5.1 cm) with 12-VAN attached
- US-412 VAN 4" pop-up height (10.2 cm) with 12-VAN attached
- US-215 VAN 2" pop-up height (5.1 cm) with 15-VAN attached
- US-415 VAN 4" pop-up height (10.2 cm) with 15-VAN attached
- US-418 VAN 4" pop-up height (10.2 cm) with 18-VAN attached
- US-SAM UNI-Spray field installed check valve

* The UNI-Spray accepts all Rain Bird nozzles



UNI-Spray™

US NP Cover

Non-Potable UNI-Spray Cover

Features

- Purple cover for easy identification of non-potable water system
- Threads onto all UNI-Spray™ Series
- UV resistant

Model

- US-NP



Optional UNI-Spray
Non-Potable Cover

1800®-EXT

Plastic Extension

Features

- UV-resistant thermoplastic construction for long life
- Fits all Rain Bird Spray Bodies and Nozzles. Exception: Cannot be used with bubblers
- Easily installed without any tools
- Can be reinstalled without damaging the threads if accidentally knocked off the riser or spray head
- Maximum recommended number: two extensions per spray body

Model

- 1800-EXT

1800-EXT



PA-80

Plastic Adapter

Features

- Adapts Rain Bird Spray Bodies for use with any 1/2" (15/21) FPT bubbler or spray nozzle
- Rugged, UV-resistant thermoplastic construction
- Easy to install; no tools required

Dimensions

- Height: 1 1/2" (3.8 cm); 0.8" (2.0 cm) above 1800 cap

Model

- PA-80

PA-80



PA-8S

Plastic Shrub Adapter

Features

- Adapts Rain Bird Nozzles for use with 1/2" (15/21) MPT threaded risers
- Accepts protective, non-clogging 1800 Series filter screen (shipped with nozzle) and PCS Series screens
- Durable, non-corrosive plastic construction

Specifications

- 1/2" (15/21) female inlet threads
- Fine top threads accept all Rain Bird nozzles

Model

- PA-8S

PA-8S



PA-8S-NP

Non-Potable Plastic Shrub Adapter

Features

- Purple plastic shrub adapter for easy identification of non-potable water system
- Adapts Rain Bird Nozzles for use with 1/2" (15/21) MPT threaded risers
- Accepts protective, non-clogging 1800 Series filter screen (shipped w/ nozzle) and PCS Series screens
- Durable, non-corrosive plastic construction

Specifications

- 1/2" (15/21) female inlet thread
- Fine top threads accept all Rain Bird Nozzles

Model

- PA-8S-NP

PA-8S-NP



PA-8S-PRS

Pressure Regulating Shrub Adapter

Features

- Adapts nozzles for use with ½" (15/21) MPT threaded risers
- Patented PRS pressure regulator built into the stem. No parts to be installed at the site. Saves time and money
 - Maintains constant outlet pressure at 30 psi (2.1 bar). Ensures maximum spray head and nozzle performance
 - Ends misting and fogging caused by high pressure. Prevents water waste and minimizes liability
 - Restricts water loss by up to 70% if nozzle is removed or damaged. Saves water and money. Reduces liability. Recommended for vandal-prone areas
- Fits all Rain Bird plastic nozzles
- Rugged thermoplastic construction resists UV rays
- Five-year trade warranty

Operating Range

- Pressure: 15 to 70 psi (1.0 to 4.8 bar)
- Flow: 0.2 to 4.0 gpm (0.05 to 0.91 m³/h; 0.06 to 15.0 l/m)

Specifications

- ½" (15/21) female inlet threads
- Fine top threads accept all Rain Bird nozzles
- Height: 5¼" (13.3 cm)

Model

- PA-8S-PRS



PA-8S-PRS

Spray Bodies and Nozzles Right Choice Sales Brochures

Features

- Used by contractors when recommending 1800® Series Spray Bodies, MPR Nozzles, UNI-Sprays™ and VAN Nozzles to homeowners
- Size is 8½" wide x 11" high
- 3-hole punched; packs of 50
- Contractors order through Rain Bird Rewards: rainbird.com/rewards or 1-888-370-1814

Models

- D39783: Right Choice in 1800 Series Spray Heads and MPR Nozzles Sales Brochure
- D39784: Right Choice in UNI-Sprays and VAN Nozzles Sales Brochure



1800 PCS

Pressure Compensating Screens

Spray Bodies

- Compensates* for pressure variations
- Eliminates fogging and water waste caused by high pressures
- Nozzles can be matched with screens to create short-throw, reduced-radius patterns and/or flush-mounted bubblers

Features

- 0.08 gpm (0.02 m³/h; 0.6 l/m) and 0.25 gpm (0.06 m³/h; 1.2 l/m) screens allow greater flexibility in achieving 4', 6', and 7' radius patterns
- Color-coded for easy identification
- Use with all 1800 Series plastic nozzles (MPR, VAN, U-Series, Strips and Bubblers)
- Easily installed in new and retrofit applications. Simply replace standard screen with PCS screen

**With a pressure compensator, outlet pressure will be reduced, but will fluctuate as the inlet pressure changes. A pressure compensator cannot maintain outlet pressure at a constant rate. A pressure regulator establishes and maintains a constant outlet pressure of 30 psi (2.1 bar) as long as the inlet pressure at the spray head is greater than 30 psi (2.1 bar)*

Operating Range

- Flow: 0.10 to 3.70 gpm (0.05 to 0.84 m³/h; 36 to 828 l/m)
- Pressure: 15 to 70 psi (1.0 to 4.8 bar)

Models

- PCS-008: 0.08 gpm (0.02 m³/h; 0.6 l/m) - Beige
- PCS-010: 0.1 gpm (0.02 m³/h; 0.6 l/m) - Purple
- PCS-020: 0.2 gpm (0.05 m³/h; 0.6 l/m) - Brown
- PCS-025: 0.25 gpm (0.06 m³/h; 1.2 l/m) - Pink
- PCS-030: 0.3 gpm (0.07 m³/h; 1.2 l/m) - Silver
- PCS-040: 0.4 gpm (0.09 m³/h; 1.8 l/m) - Orange
- PCS-060: 0.6 gpm (0.14 m³/h; 2.4 l/m) - Black
- PCS-090: 0.9 gpm (0.20 m³/h; 3.6 l/m) - White
- PCS-125: 1.25 gpm (0.28 m³/h; 4.8 l/m) - Green
- PCS-175: 1.75 gpm (0.40 m³/h; 6.6 l/m) - Yellow
- PCS-260: 2.6 gpm (0.59 m³/h; 9.6 l/m) - Blue
- PCS-370: 3.7 gpm (0.84 m³/h; 13.8 l/m) - Red

Recommended Nozzle + PCS Combinations to Achieve 4', 6' and 7' Radii*

Nozzle	PCS	ft.	m
5Q	Beige	4'	(1.2)
8Q-FLT	Pink	6'	(1.8)
8Q-FLT	Black	7'	(2.1)
8H-FLT	Pink	4'	(1.2)
8H-FLT	Silver	7'	(2.1)
8F-FLT	Black	4'	(1.2)
8F-FLT	White	7'	(2.1)

Note: Radius reduction data tested at 30 psi (1.5 bar). Individual results may vary based on site conditions



1800 PCS Screens

1800 PCS Performance

	Flow (gpm) m ³ /h (l/m)	PCS-008 0.08 0.01 (12) Beige		PCS-010 0.1 0.02 (36) Purple		PCS-020 0.2 0.05 (60) Brown		PCS-025 0.25 0.06 (72) Pink		PCS-030 0.3 0.07 (84) Silver		PCS-040 0.4 0.09 (108) Orange		PCS-060 0.6 0.14 (144) Black		PCS-090 0.9 0.20 (216) White		PCS-125 1.25 0.28 (288) Green		PCS-175 1.75 0.40 (396) Yellow		PCS-260 2.6 0.59 (576) Blue		PCS-370 3.7 0.84 (828) Red	
		Distance	feet	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet
U-8Q		3	(0.9)	4	(1.2)	6	(1.8)	7	(2.1)																
U-8T				1	(0.3)	4	(1.2)	5	(1.5)																
U-8H				1	(0.3)	4	(1.2)	5	(1.5)																
U-8F										1	(0.3)	3	(0.9)	7	(2.1)										
U-10Q	2	(0.6)	3	(0.9)	5	(1.5)	6	(1.8)	10'	(3.1)															
U-10T			2	(0.6)	4	(1.2)	4	(1.2)	8	(2.4)	10'	(3.1)													
U-10H									5	(1.5)	6	(1.8)	8	(2.4)	9	(2.7)									
U-10F													4	(1.2)	9	(2.7)	10	(3.0)							
U-12Q				2'	(0.6)	4	(1.2)	7'	(2.1)	12'	(3.7)														
U-12T							2	(0.6)	6'	(1.8)	8'	(2.4)	12'	(3.7)											
U-12H									3'	(0.9)	4'	(1.2)	7'	(2.1)	11'	(3.4)	12'	(3.7)							
U-12TT													6'	(1.8)	9'	(2.7)	11'	(3.4)	12'	(3.7)					
U-12TQ													5'	(1.5)	8'	(2.4)	12'	(3.7)							
U-12F											3'	(0.9)	6'	(1.8)	8'	(2.4)	9'	(2.7)	11'	(3.4)	12'	(3.7)			
U-15Q						3'	(0.9)	6'	(1.8)	11'	(3.4)	15'	(4.6)												
U15T													10'	(3.1)	13'	(4.0)	14'	(4.3)	15'	(4.6)					
U-15H							2'	(0.6)	3'	(0.9)	5'	(1.5)	9'	(2.7)	12'	(3.7)	15'	(4.6)							
U15TT															11'	(3.4)	12'	(3.7)	13'	(4.0)	14'	(4.3)			
U15TQ															9'	(2.7)	11'	(3.4)	13'	(4.0)	14'	(4.3)			
U-15F													4'	(1.2)	6'	(1.8)	7'	(2.1)	10'	(3.1)	13'	(4.0)	15'	(4.6)	
4 (90°)				1'	(0.3)			3'	(0.9)	4'	(1.2)														
4 (180°)						1'	(0.3)	2'	(0.6)	3'	(0.9)	4'	(1.2)												
4 (270°)								1'	(0.3)	2'	(0.6)	4'	(1.2)												
4 (330°)								1'	(0.3)	2'	(0.6)	4'	(1.2)												
6 (90°)						2'	(0.6)	3'	(0.9)	6'	(1.8)														
6 (180°)								2'	(0.6)	4'	(1.2)	6'	(1.8)												
6 (270°)								0.5'	(0.2)	1'	(0.3)	3'	(0.9)	6'	(1.8)										
6 (330°)								0.5'	(0.2)	1'	(0.3)	3'	(0.9)	6'	(1.8)										
8 (90°)								1'	(0.3)	3'	(0.9)	8'	(2.4)												
8 (180°)								0.5'	(0.2)	2'	(0.6)	4'	(1.2)	8'	(2.4)										
8 (270°)										0.5'	(0.2)	3'	(0.9)	5'	(1.5)	8'	(2.4)								
8 (330°)										0.5'	(0.2)	3'	(0.9)	5'	(1.5)	8'	(2.4)								
10 (90°)								3'	(0.9)	5'	(1.5)	10'	(3.1)												
10 (180°)										1'	(0.3)	5'	(1.5)	7'	(2.1)	10'	(3.1)								
10 (270°)										1'	(0.3)	4'	(1.2)	6'	(1.8)	9'	(2.7)	10'	(3.1)						
10 (360°)								0.5'	(0.2)	1'	(0.3)	4'	(1.2)	6'	(1.8)	8'	(2.4)	10'	(3.1)						
12 (90°)				3'	(0.9)			8'	(2.4)	10'	(3.1)	12'	(3.7)												
12 (180°)								1'	(0.3)	2'	(0.6)	5'	(1.5)	8'	(2.4)	12'	(3.7)								
12 (270°)								0.5'	(0.2)	1'	(0.3)	3'	(0.9)	6'	(1.8)	8'	(2.4)	12'	(3.7)						
12 (360°)										1'	(0.3)	3'	(0.9)	5'	(1.5)	7'	(2.1)	12'	(3.7)						
15 (90°)								2'	(0.6)	5'	(1.5)	11'	(3.4)	15'	(4.6)										
15 (180°)								1'	(0.3)	3'	(0.9)	6'	(1.8)	9'	(2.7)	12'	(3.7)	15'	(4.6)						
15 (270°)														6'	(1.8)	8'	(2.4)	15'	(4.6)						
15 (360°)																8'	(2.4)	12'	(3.7)	14'	(4.3)	15'	(4.6)		
18 (90°)								0.5'	(0.2)	2'	(0.6)	6'	(1.8)	12'	(3.7)	17'	(5.2)	18'	(5.5)						
18 (180°)										1'	(0.3)	3'	(0.9)	5'	(1.5)	9'	(2.7)	16'	(4.9)	18'	(5.5)				
18 (270°)										0.5'	(0.2)	1'	(0.3)	3'	(0.9)	5'	(1.5)	11'	(3.4)	15'	(4.6)	18'	(5.5)		
18 (330°)										0.5'	(0.2)	1'	(0.3)	3'	(0.9)	4'	(1.2)	9'	(2.7)	12'	(3.7)	15'	(4.6)		

Bold green type indicates recommended nozzle/screen combination to achieve catalog performance at 30 psi (2.1 bar)

Bold blue type indicates satisfactory nozzle/screen combination

Black type indicates a nozzle/screen combination that provides a throw reduction of more than 50%. With these nozzle/screen combinations a uniform spray pattern is not assured and a bubbler effect may result

Note: Screens were tested at 50 psi (3.5 bar) for 10 minutes prior to taking distance measurements. Distances may vary slightly with higher pressures and longer run-times
Note: Refer to catalog notation for proper nozzle selection

Spray Bodies

1800 PCS Performance

	Flow (gpm) m ³ /h (l/m)	PCS-008		PCS-010		PCS-020		PCS-025		PCS-030		PCS-040		PCS-060		PCS-090		PCS-125		PCS-175		PCS-260		PCS-370	
		0.08 0.01 (12)	0.08 0.01 (12)	0.1 0.02 (36)	0.1 0.02 (36)	0.2 0.05 (60)	0.2 0.05 (60)	0.25 0.06 (72)	0.25 0.06 (72)	0.3 0.07 (84)	0.3 0.07 (84)	0.4 0.09 (108)	0.4 0.09 (108)	0.6 0.14 (144)	0.6 0.14 (144)	0.9 0.20 (216)	0.9 0.20 (216)	1.25 0.28 (288)	1.25 0.28 (288)	1.75 0.40 (396)	1.75 0.40 (396)	2.6 0.59 (576)	2.6 0.59 (576)	3.7 0.84 (828)	3.7 0.84 (828)
Color		Beige	Purple	Brown	Pink	Silver	Orange	Black	White	Green	Yellow	Blue	Red												
Distance		feet	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet	meters
5Q			5' (1.5)																						
5T			5' (1.5)																						
5H			4' (1.2)	5' (1.5)	6' (1.8)																				
5F								5' (1.5)																	
8Q			4' (1.2)	8' (2.4)	10' (3.1)																				
8T				6' (1.8)	6.5' (2.0)	7' (2.1)	8' (2.4)																		
8H				5' (1.5)	6' (1.8)	7' (2.1)	8' (2.4)																		
8F								2' (0.6)	3' (0.9)	8' (2.4)															
10Q			2' (0.6)	6' (1.8)	8' (2.4)	8' (2.4)	10' (3.1)																		
10T				4' (1.2)	5' (1.5)	9' (2.7)	10' (3.1)																		
10H				3' (0.9)	4' (1.2)	6' (1.8)	8' (2.4)	10' (3.1)																	
10F								1' (0.3)	4' (1.2)	8' (2.4)	10' (3.1)														
12Q				3' (0.9)	7' (2.1)	8' (2.4)	11' (3.4)	12' (3.7)																	
12T				2' (0.6)	4' (1.2)	6' (1.8)	10' (3.1)	11' (3.4)	12' (3.7)																
12H								4' (1.2)	6' (1.8)	10' (3.1)	12' (3.7)														
12TT								2' (0.6)	4' (1.2)	6' (1.8)	9' (2.7)	12' (3.7)													
12TQ								2' (0.6)	3' (0.9)	6' (1.8)	8' (2.4)	10' (3.1)	12' (3.7)												
12F								2' (0.6)	5' (1.5)	7' (2.1)	8' (2.4)	12' (3.7)													
15Q				3' (0.9)	4' (1.2)	5' (1.5)	9' (2.7)	12' (3.7)	15' (4.6)																
15T					2' (0.6)	5' (1.5)	7' (2.1)	12' (3.7)	14' (4.3)	15' (4.6)															
15H						3' (0.9)	4' (1.2)	7' (2.1)	11' (3.4)	15' (4.6)															
15TT							1' (0.3)	2' (0.6)	4' (1.2)	8' (2.4)	10' (3.1)	13' (4.0)	15' (4.6)												
15TQ										6' (1.8)	8' (2.4)	14' (4.3)	15' (4.6)												
15F										4' (1.2)	6' (1.8)	10' (3.1)	12' (3.7)	15' (4.6)											
5Q-B				2' (0.6)	3' (0.9)	4' (1.2)	5' (1.5)																		
5H-B								1' (0.3)	2' (0.6)	5' (1.5)															
5F-B									1' (0.3)	2' (0.6)	3' (0.9)	5' (1.5)													
5CST-B				1' (0.3)	2' (0.6)	3' (0.9)	5' (1.5)																		
9SST																									
15CST																									
15SST																									
15EST																									
15LCS																									
15RCS																									

MPR

Bubbler

Strip

Bold green type indicates recommended nozzle/screen combination to achieve catalog performance at 30 psi (2.1 bar)

Bold blue type indicates satisfactory nozzle/screen combination

Black type indicates a nozzle/screen combination that provides a throw reduction of more than 50%. With these nozzle/screen combinations a uniform spray pattern is not assured and a bubbler effect may result

Note: Screens were tested at 50 psi (3.5 bar) for 10 minutes prior to taking distance measurements. Distances may vary slightly with higher pressures and longer run-times
Note: Refer to catalog notation for proper nozzle selection