

Rain Bird® RD1800™ Spray Solutions Guide



Many of your most common irrigation problems now have a single solution. Introducing the precisely engineered, ruggedly reliable Rain Bird® RD1800™ Series. Discover why this is no ordinary spray.

1 Problem: Accelerated Wear and Tear in Reclaimed Water

Solution: Tougher Design & Durable Materials

In engineering the RD1800 Spray, we took advantage of the latest in computer-aided design and analysis software to optimize our design and material selections. We also developed unforgiving tests that pushed the RD1800 to the limit. The results prove, without a doubt, that the RD1800 outlasts the competition and withstands the corrosive chemicals and grit found in dirty and reclaimed water.

2 Problem: Stick-Ups

Solution: Triple-Blade Wiper Seal & Debris Pockets

The RD1800's patented Triple-Blade Wiper Seal provides superior flushing at pop-up and retraction. It also ensures zero flow-by during operation. If grit and dirt enter from the lateral line, RD1800's unique debris pockets hold it in place—removing it from circulation and preventing long-term damage. The result is consistent pop-up and retraction, year after year.



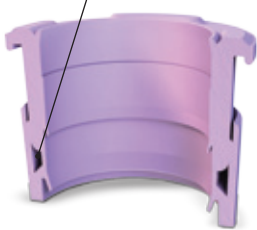
3 Problem: Wiper Seal Damage

Solution: Triple-Blade Wiper Seal

The RD1800's patented Triple-Blade Wiper Seal does more than just provide superior flushing and sealing; it also delivers an extra line of defense in case the primary seal is damaged. The exclusive Third Blade eliminates wiper seal leaks even if the primary seal is completely destroyed. For even more peace of mind, each RD1800 wiper seal contains materials that reduce the likelihood of damage caused by organic contaminants and other chemicals commonly found in treated water.



New Third Blade



4 Problem: Difficult to Ratchet Stem

Solution: Reinforced Ratchet Ring

The RD1800's new black ratchet ring has been designed to easily adjust during installation, hold steady over time and provide unmatched debris resistance. So, unlike competitive rings, the RD1800 ratchet ring does not drift over time or crumble when exposed to stress.





5 Problem: Wasted Water & Zone Pressure Loss When a Nozzle is Broken or Removed

Solution: Flow-Shield™ Technology

When a nozzle is broken or removed, RD1800 Sprays, featuring exclusive Flow-Shield™ Technology, reduce water loss by up to 90 percent compared to a standard spray and more than 50 percent when compared to a PRS spray. The RD1800 also preserves the hydraulics for the rest of the zone and delivers a service indication stream to alert maintenance so damage does not go unnoticed.



6 Problem: Pressure Variations

Solution: Increased Pressure Range & Unique PRS Device

We built the RD1800 to withstand operating pressures from 15 to 100 psi. Using the patented PRS device that made the 1800® Series famous, the RD1800 also delivers consistent outlet pressure regardless of inlet pressure fluctuation. So even in applications with wide pressure variations, the RD1800 doesn't miss a beat.



7 Problem: Regulations and Public Health Concerns Regarding Non-Potable Water Use

Solution: Purple Wiper Seal & Exclusive Purple Warning Text

Say goodbye to clunky clip-on covers and unsightly UV-faded purple plastic covers. Reclaimed versions of the RD1800 feature a patent pending design that warns the public of nonpotable water use. The RD1800 offers a unique combination of a purple wiper seal, the international do not drink symbol and standard English and Spanish warnings.



The RD1800 overcomes landscape challenges that no other spray can.

The Rain Bird® RD1800 Spray is the ultimate problem-solver. From its exclusive Flow-Shield Technology and patented Triple-Blade Wiper Seal to its unrivaled durability, this innovative product is engineered to withstand everything time, grit and Mother Nature can throw at it. For unrivaled results and durability, put the RD1800 in the ground—and protect your bottom line from the unknown.

Visit www.rainbird.com/RD1800 to watch the RD1800 Spray take on the competition—or talk to your Rain Bird sales representative.

