

Exclusive Flow-Shield™ Technology

Patent pending Flow-Shield™ Technology provides up to 90% reduction in water loss when a nozzle is removed preventing potentially costly and unacceptable run-off.



Patented Pressure Regulator

The RD1800's patented pressure regulator increases nozzle efficiency by up to 50% in high pressure applications.



Reinforced Ratchet Mechanism

The RD1800's ratchet mechanism was designed to improve ease of use and consistency, hold its setting over time, withstand years of chlorine exposure and provide greater debris resistance.

Seal-A-Matic™ (SAM) Check Valve

Exclusive to Rain Bird, the SAM Check Valve holds back up to 14 feet of head and helps eliminate low head drainage, erosion, run-off and water hammer at start-up.

15-Foot Service Indication Stream

Patent pending Flow-Shield Technology delivers a low-flow 15-foot service indication stream when a nozzle is removed. As a result, system performance is maintained, water is saved and you don't have to wait until you have brown grass or dead plants to notice something's wrong.

Triple-Blade Wiper Seal

The RD1800™ Series features a patent pending Triple-Blade Wiper Seal. The top seal flushes during pop-up and wipes the stem clean during retraction, preventing external debris from entering. During operation, the primary seal combines with the stem's surface to eliminate flow-by. The patent pending Third Blade provides another line of defense, in case the primary seal is damaged.



New Third Blade

Biological Inhibitor

Each patent pending Triple-Blade Wiper Seal contains a biological inhibitor that reduces the likelihood of damage from bacterial contaminants found in reclaimed water.

Unique Debris Pockets

With each system start-up, the RD1800's unique debris pockets hold grit in place—removing it from circulation and preventing long-term damage.

