



PRS with Flow Optimizer™ Technology
Turn high pressure into lower water bills.



When the pressure's on, save water and money with Rain Bird PRS rotors and sprays.



High water pressure is a common problem in communities across the nation. But this big problem has a simple solution. By regulating high or fluctuating pressure at the head, Pressure Regulating Stems (PRS) with Flow Optimizer™ technology could save up to one gallon per minute per rotor or spray. Given the high price of water in many areas, your customers can also enjoy considerable cost savings—annually and over the life of the system.

PROBLEMS	SYMPTOMS	SOLUTION
<ul style="list-style-type: none"> • High or fluctuating pressure is increasingly common. • As pressure increases, so does an irrigation system's flow rate. • Laws restricting water use are being enacted across the U.S. — California's AB1881 to name just one. 	<ul style="list-style-type: none"> • Wasted water • Higher water bills • Misting or fogging • Damaged system components 	<ul style="list-style-type: none"> • Rain Bird PRS regulates high or fluctuating pressure at the rotor or spray head. • Rain Bird Flow Optimizer technology maintains the ideal flow rate, putting down less water. • Rain Bird PRS rotors and sprays ensure compliance with water restrictions and minimize wear and tear to the irrigation system.

In this test, Rain Bird PRS sprays saved 0.78 gpm by reducing operating pressure to 30 psi.

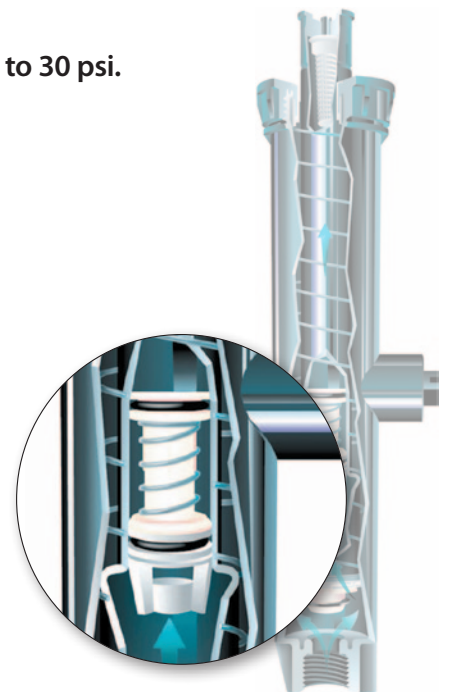
- Rain Bird was the first irrigation manufacturer to patent PRS for sprays.
- Unlike competitive PRS sprays, Rain Bird PRS sprays adjust to fluctuating pressure, optimizing flow and promoting a more consistent spray pattern.
- Select versions of the 1800 maintain operating pressures of 45 psi to maximize Rotary Nozzle efficiency.

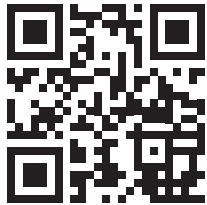
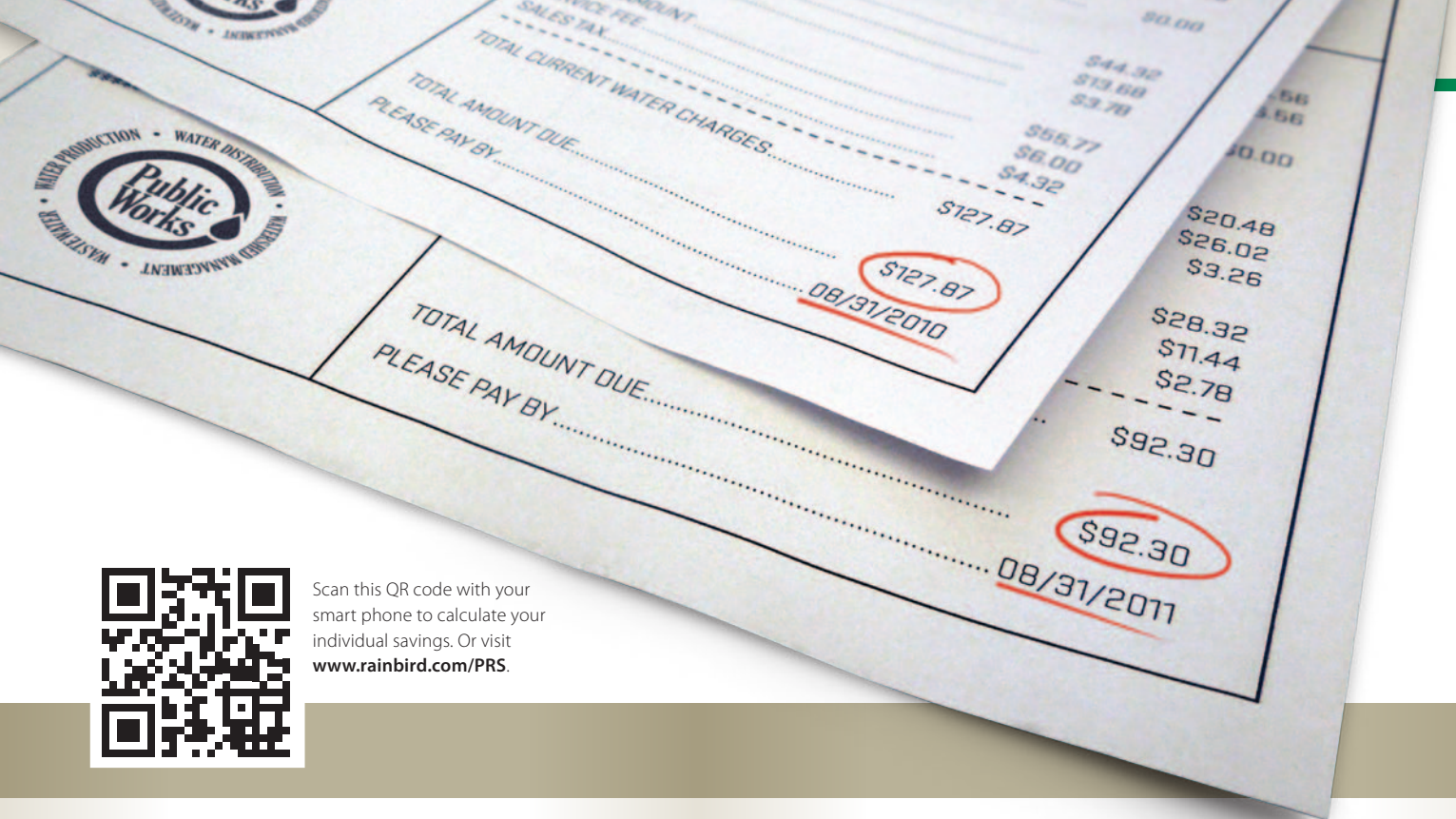


1800 PRS Spray with 15Q nozzle at 79 psi inlet pressure. PRS regulated flow to 0.86 gallons per minute.



Non-PRS competitive spray with 15Q nozzle at 79 psi inlet pressure. Without PRS, flow rose to 1.64 gallons per minute.





Scan this QR code with your smart phone to calculate your individual savings. Or visit www.rainbird.com/PRS.

106, 

Estimated Annual Savings

A typical residential site using Rain Bird® PRS 5000 Rotors and 1800® Series Sprays can save 106,000 gallons per year.* That's enough to fill an average swimming pool five times over.



Leading Water Efficiency

Rain Bird PRS rotors and sprays are the only products of their kind in the industry to receive the Smart Approved WaterMark. This globally recognized designation is granted by an independent panel based in Australia.

In this test, Rain Bird PRS rotors saved 0.70 gpm by reducing operating pressure to 45 psi.

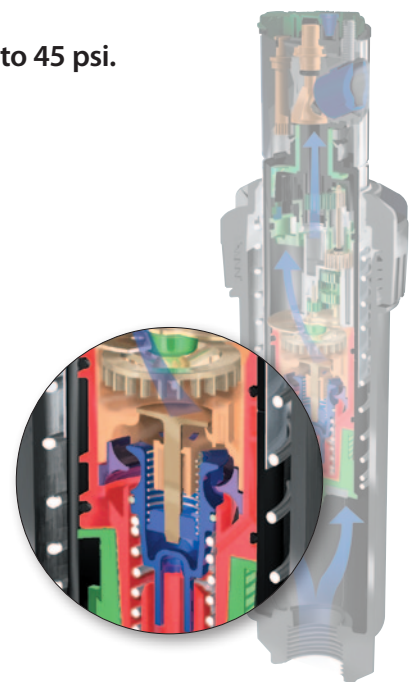
- Rain Bird is the exclusive manufacturer of PRS rotors.
- By reducing pressure and optimizing flow, PRS minimizes the wear and tear placed on components, ensuring reliability and extending system life.
- The unique PRS debris shield prevents component damage caused by grit and contaminants.



5000 PRS Rotor with 3 gpm nozzle at 79 psi inlet pressure. PRS regulated flow to 3.11 gallons per minute.



Non-PRS competitive rotor with 3 gpm nozzle at 79 psi inlet pressure. Without PRS, flow rose to 3.81 gallons per minute.



➔ Go Online to Calculate Your System Savings



*In this conservative scenario, total system savings of 106,000 gallons based on landscape with 75 psi inlet pressure and watering that occurs 4 days a week, 40 weeks per year. System has 15 Rain Bird® 5000 PRS Rotors, each with a 3 gpm nozzle, and 20 Rain Bird® 1800 PRS Sprays, each with a 15H nozzle. Rotors run for 30 minutes a day, while sprays run for 15 minutes a day.

Calculate Reset

The estimated water savings is: GPM

The estimated yearly water savings is: gallons

The estimated yearly cost of water savings is*: \$

The estimated cost of upgrading to 1800 PRS is: \$

Estimated Payback Time: years
 months

Typical users can save approximately one gallon per minute per rotor or spray with Rain Bird PRS featuring Flow Optimizer technology. But there's a chance you'll save even more based on your unique landscape and situation. To calculate how much water and money you'll save, visit www.rainbird.com/PRS.



Rain Bird Corporation
6991 East Southpoint Road
Tucson, AZ 85756
Phone: (520) 741-6100
Fax: (520) 741-6522

Technical Service and Support
(800) RAINBIRD (U.S. and Canada only)

Rain Bird Corporation
970 West Sierra Madre Avenue
Azusa, CA 91702
Phone: (626) 812-3400
Fax: (626) 812-3411

Specification Hotline
(800) 458-3005 (U.S. and Canada only)

Rain Bird International, Inc.
1000 West Sierra Madre Avenue
Azusa, CA 91702
Phone: (626) 963-9311
Fax: (626) 852-7343

www.rainbird.com