

Rain Bird® 5000 series PRS rotor—the only rotor in the industry with in-stem pressure regulation.

PROBLEM:

High water pressure is a common problem in many communities. As pressure increases, so does an irrigation system's flow rate. The resulting symptoms include wasted water, higher water bills and damaged system components. But this big problem has a simple solution — **Rain Bird PRS rotors and sprays.**

SOLUTION:

Quantifiable Savings

By regulating high or fluctuating pressure at the head, PRS with Flow Optimizer™ technology can help you save approximately one gallon per minute per rotor or spray.

Water Restriction Ready

Laws restricting water use are being enacted across the US, such as California's AB1881. By installing Rain Bird PRS rotors and sprays, you can ensure compliance with these laws.

Lasting Performance

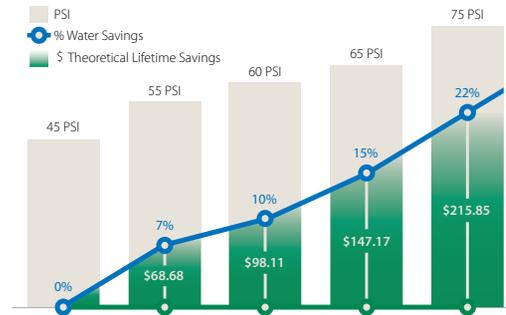
PRS minimizes the wear and tear placed on components, extending system life. The PRS debris shield prevents component damage caused by grit and contaminants. If a nozzle is damaged, PRS can also reduce water waste by up to 70 percent.

The Power of PRS — University of Arizona Study

To prove the viability of Rain Bird's PRS technology, an independent comparative study was commissioned, utilizing the University of Arizona's Department of Soil, Water and Environmental Science at the Karsten Turf Research Facility.

THE STUDY - For the purposes of comparison, eight different turf plots were evaluated (4 with PRS and 4 without) at different inlet pressure levels. In each case, 10 different tests were conducted.

THE RESULTS - PRS ROTOR TESTING



**Theoretical Lifetime Savings is normalized water savings based on EPA WaterSense estimate of average US household/outdoor water use, an average cost/1,000 gallons of water in the US and an average product lifespan of 7 years. The totals are theoretical, actual water savings will vary based on conditions.*

CONCLUSION - The use of Rain Bird's patented Pressure Regulating Stem (PRS) technology can provide significant water savings, cost savings and improved performance vs. non-PRS systems. The savings reaped per rotor or spray can be multiplied across an entire system, resulting in significant differences financially and in gallons of water used.



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WHAT IS PROJECT PRS?

We're putting pressure regulation and water savings on the map with a project designed to measure and celebrate smart irrigation. Project PRS is a challenge for irrigation contractors to save more water using Rain Bird PRS with Flow Optimizer™ technology. In just a few years, this shared effort has documented over 200 million gallons of water savings, with 27 irrigation contractors joining the Million Gallon Club by saving over 1 million gallons of water.

Pressure-regulating technology turns high pressure into lower water bills for your customers.



SMARTER IRRIGATION ON DISPLAY

With Rain Bird PRS rotors and sprays, the results speak for themselves. So we're collecting success stories from all over the country and sharing them on the Project PRS website. You can also watch videos, read articles about pressure regulation and forecast savings with our water-saving calculators.



Scan this QR code with your smart phone or visit www.rainbird.com/PRS to see how much water and money you'll save.

