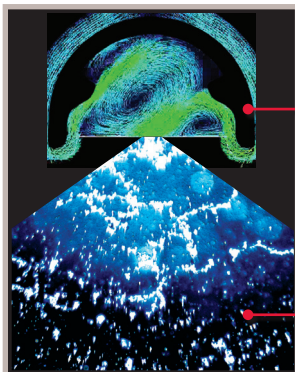


H²O Chip Technology

Hyperstream, High-Frequency Oscillating Streams

Toro's Precision™ Series spray nozzles look, install and radius-adjust like the most popular brand of spray nozzles. However, that is where the similarities end. Using patented H²O chip technology – and no moving parts - each Precision Series spray nozzle helps professionals save water, reduce runoff and lower water bills.



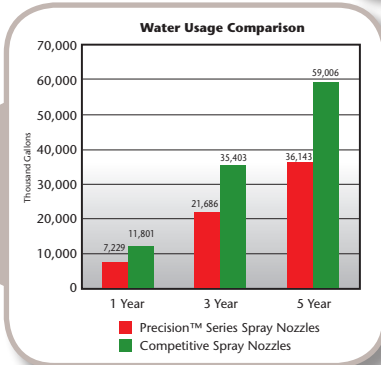
Water enters a specially designed chamber to create high-frequency oscillations.

Water droplets of consistent size and velocity exit the nozzle as high-frequency oscillating streams detectable only with strobe light illumination.



The patented H²O Chip creates high-frequency oscillating streams - 200 cycles per second - that achieve distances of throw with up to 42% less water.

*vs. competitive 12H nozzles at 30 PSI



The End Result is Visible!

- Use Less Water!
- Reduce Runoff!
- Save Money!

www.toro.com • The Toro Company • Irrigation Division
5825 Jasmine St. • Riverside, CA • 92504 877-345-8676
©2012 The Toro Company. P/N 12-1059-IRC

We reserve the right to improve our products and make changes in the specifications and designs without notice and without incurring obligation.



Precision™ Series Spray Nozzles

Powered by H²O Chip Technology

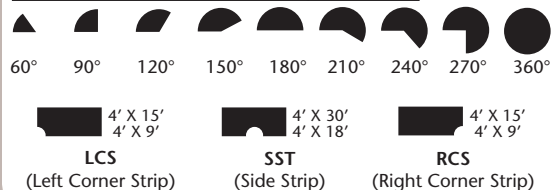
Maintain 1" /hr. Matched Precipitation – Even After 20% Radius Reduction. All Toro Precision Series Spray nozzles can be combined on the same zone for greater design and installation flexibility.



5 Radii Available In Male & Female Threads



9 Arcs Plus Side and Corner Strips Available



WATER SAVINGS

Precision Sprays are more efficient than standard sprays because they apply water more slowly and evenly. With 42% lower flow 12' Precision Series Spray nozzles still achieve the same 12' distance of throw as conventional competitive nozzles. At 30 PSI:

12H Spray Nozzle	1.30 gpm
Precision O-T-12-H	0.75 gpm
SAVINGS	= .55 gallons or 42%

LOWER SYSTEM COST

The good news about applying water more slowly and evenly is that Precision Sprays can lower your system costs. This means fewer valves and possibly a less expensive controller. The table below assumes 30 PSI operation and half-circle nozzles:

AWWA Meter Size	Flow (GPM)	Loss (PSI)	Max # 12 H Sprays	Max # PSN's
5/8"	12	5.1	9	16
3/4"	18	5.2	13	24
1"	30	5.3	23	40

