



# Precision™ Series Spray Nozzles

## Powered by H<sup>2</sup>O Chip Technology

### SPRAY NOZZLES

Toro's new Precision Series Spray Nozzles deliver increased efficiency over standard spray head installations. Lowering the standard precipitation rate\* to 1" per hour – or less, these nozzles are designed to use less water and reduce run off.



*Precision™ Series Spray Nozzles*

### PATENTED H<sup>2</sup>O CHIP TECHNOLOGY

H<sup>2</sup> = Hyper-streams of oscillating water at Hyper-frequencies which move back and forth within a specially designed chamber and continue upon exit. "O" Stands for "One" inch per hour precipitation rate.

### EFFICIENCY

Increased performance characteristics and lower precipitation rates now yield the same run time using less water.\*

### PRACTICAL

On new installs or retrofit projects, Precision Series Spray Nozzles work just like conventional spray nozzles but offer greater arc selection and maintain their precipitation rate - even when the radius is reduced.

\*Versus comparable spray nozzles

**TORO®****Count on it.****SPECIFICATIONS**

# Precision™ Series Spray Nozzles

With H<sub>2</sub>O Chip Technology



High velocity streams of water achieve the desired radius with less water.



The H<sub>2</sub>O Chip drives the Precision Series Spray Nozzle performance

**Operating Specifications**

- Radius: 5'-15'
- Operating pressure range: 20-50 psi (maximum – 75 psi)
- Flow Rate: 0.038 - 2.4 GPM

**Additional Features**

- Specialty Arcs available
- Radius adjustment 25% maximum
- Color coded for radius on top of the nozzle
- Precipitation rate ≤ 1"/hour (square spacing)
- Maintains precipitation rate as radius reduced up to max of 25%
- Max trajectory 27°
- Matched precipitation rate within radius families
- Screen attached to nozzle for easy insertion into the spray body
- Works on all 570 body sizes and types

**Warranty**

Two years

**Features and Benefits****H<sub>2</sub>O Chip Technology**

- A patented nozzling system that distributes water more efficiently and reaches the desired radii with less flow
- Expanded selection of arc choices for precise distribution

**Lower Precipitation Rate\* – One Inch Per hour (or less)**

- Uses 1/3 less flow to reach a radius of a conventional spray nozzle yet achieves higher irrigation efficiency

**No Moving or Sonic Welded Parts**

- Assures no variation at the end of the water arc for better edge definition
- Consistent, reliable performance

**Uniform Droplet Size**

- The H<sub>2</sub>O Chip generates a larger, more uniform droplet size – resulting in consistency across the irrigated arc
- Increased wind resistance
- Minimizes unintentional watering of hardscape features and run-off

**Greater Operating Pressure Range**

- Consistent performance from 20 to 50 PSI
- No wasteful misting or fogging

**Male & Female Threaded Models**

- Available in:
  - 5 Radii between 5' and 15'
  - 9 Different arcs between 60° and 360°
  - 3 Specialty arcs – right corner, left corner & center strips

\*Versus comparable spray nozzles

*Specifying Information*

O-X-XXXX-XXX					
Nozzle	Thread	Radius		Arc	Body
O	X	XXXX		XXX	
O—Oscillating Nozzle	T—Toro Male Threaded Nozzle Blank—Female Threaded Nozzle	5—5' 8—8' 10—10' 12—12' 15—15' 2X3—2'X3' 2X6—2'X6'	4X15—4'X15' 4X30—4'X30' 4X9—4'X9' 4X18—4'X18'	60—60° Q—90° T—120° 150—150° H—180° 210—210° TT—240° TQ—270° 360—Full-circle LCS—Left Corner RCS—Right Corner SST—Side Strip	Call out body as required
Example: A 570 Precision Series Nozzle with a spray of 10' and a 180° arc would be specified as: O-T-10-H					

Example: A 570 Precision Series Nozzle with a spray of 10' and a 180° arc would be specified as: **O-T-10-H**



**www.toro.com**

**The Toro Company • Irrigation Division**

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