



Count on it.

## SPECIFICATIONS

# Precision™ Series Spray Nozzles

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



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



The H<sup>2</sup>O Chip drives the patented 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
- Maintains precipitation rate as radius reduced up to max of 25%
- Color coded for radius and arc on top of the nozzle
- Precipitation rate ≤ 1"/hour (square spacing)
- Max trajectory 27°
- Matched precipitation rate within radius families
- Screen attached to nozzle for easy insertion into the spray body

### Warranty

Two years

## Features and Benefits

### H<sup>2</sup>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<sup>2</sup>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—One Inch Per Hour	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 1: 1: A female threaded Precision Series nozzle with a spray radius of 12' and a 90° arc would be specified as: O-12-Q				
Example 2: A male threaded Precision Series spray nozzle with a spray of 10' and 180° arc would be specified as: O-T-10-H				



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**TORO**

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# Precision™ Series Spray Nozzles

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

The most complete and efficient spray nozzle line available to help irrigation professionals manage water use, eliminate runoff and reduce customer water bills

SPRAY NOZZLES

**Irrigation**  
SHOW  
2008**New Product  
Contest Winner**

Precision™ Series Spray Nozzles

### PRECISE

- 1" per hour precipitation rate
- Less runoff and slower soil saturation\*
- 5-15 ft range with 9 arcs for each radius; plus side strip models

### EFFICIENT

- Less flow required to achieve superior irrigation efficiency\*
- MPR (Matched Precipitation Rates) even after radius reduction
- Lower overall system cost\*\*

### PRACTICAL

- Color coded male and female threads
- No installation learning curve
- Less than half the cost of competitive water conserving nozzles\*\*\*

\* When compared to existing fixed spray nozzle technology

\*\* Lower flow rates allow for more sprinklers per valve as well as fewer valves and stations per controller

\*\*\* Based on 2009 List Price of leading rotating nozzles