

TS90 Series

- **Inlet Size: 1" (25mm) NPT or BSP**
- **Radius: 53'-95' (16,2-29,0m)**
- **Operating Pressure Range: 40-100 psi (2,8-7,0 Bar)**

For big open spaces, the Toro TS90 provides unparalleled features and performance into a single fully adjustable rotor.



*Effluent
Options
Available*

Features & Benefits

Trajectory Adjustment from 7° to 30°

Fine tunes nozzle spray height, helps provide true head-to-head coverage, and compensates for windy conditions.

Part- And Full-Circle In One Sprinkler

No need to inventory multiple models or service parts

Back Nozzle Capable

Perfect for perimeter of sports fields. Provides the flexibility for fine-tuning any watering requirement.

Ratcheting Riser

Allows you to adjust the riser position in the body with no disassembly. Simply pull up the riser and ratchet it to the precise position you want to water.

Three Nozzle Configuration

Provides better distribution uniformity, nozzle flexibility and system efficiency.

Constant-Velocity Drive

Provides reliable rotation speed – from sprinkler to sprinkler.



Specifications

Dimensions

- Body Height: 10" (254mm)
- Overall Height: 12.5" (317mm)
- Retracted Height: 8.5" (216mm)
- Pop-Up Height: 4" (100mm)
- Exposed Cap Diameter: 2.2" (56mm)

Operating Specifications

- Radius: 53'-95' (16,2-29,0m) at 25° trajectory
- Flow Rate: 14.0-61.5 GPM (53-233 LPM)
- Precipitation Rate: .56-.60"/hr (14,2-15,2mm/hr)
- Arc: Full- & Part-circle in one
 - Full-circle: 360° unidirectional clockwise rotation
 - Part-circle: 40°-330°
- Rotation Speed: 3 minutes ± 30 seconds
- Inlet: 1" (25mm) female-threaded (NPT or BSP)
- Operating pressure range: 40-100 psi (2,8-7,0 Bar)

Additional Features

- Full set of color-coded nozzles that thread directly into the front.
- Rubber cover and below grade installation
- Check Valve standard – maintains up to 10' (3m) elevation
- Nozzle options: 9 main, 3 intermediate, 1 inner

Options Available

- #9 Main Nozzle (beige): part number 102-4259
- Effluent Indicator available: part number 118-0063
- Main Nozzle Tool: 5/8" (16mm) hex socket or Toro Part 995-99 Intermediate and Trajectory tool: 5/16" (8mm) hex socket or Toro Part 995-105

Warranty

- Five years



TS90 Series Model List	
Model	Description
TS90TP-02-14	NPT, Low Flow Nozzles 1-4 Included
TS90TP-02-58	NPT, Medium Flow Nozzles 5-8 Included
TS90TP-52	BSP, Nozzles 1-8 Included

TS90TP Nozzle Performance Data—Metric

Nozzle Set		Stator	3,4 bar		4,1 bar		4,8 bar		5,5 bar		6,2 bar		6,9 bar	
Number	Main/Intermediate		Radius (m)	Flow (LPM)	Radius (m)	Flow (LPM)	Radius (m)	Flow (LPM)	Radius (m)	Flow (LPM)	Radius (m)	Flow (LPM)	Radius (m)	Flow (LPM)
1	Yellow/Blue	102-1939 Yellow	16,2	53	16,5	58	16,8	62	16,8	66	16,5	70	17,1	74
2	Blue/Red		16,8	71	18,0	78	18,6	84	18,0	89	18,0	95	18,9	100
3	Brown/Orange		-	-	17,4	86	18,3	93	18,6	99	19,2	105	20,7	110
4	Orange/Orange		-	-	-	-	22,6	124	24,4	133	24,7	140	25,0	147
5	Green/Blue	102-1940 White	-	-	-	-	-	-	24,1	143	25,0	151	25,6	158
6	Gray/Blue		-	-	-	-	-	-	25,0	150	26,2	159	26,5	167
7	Black/Orange		-	-	-	-	-	-	24,4	165	26,5	175	25,6	184
8	Red/Blue		-	-	-	-	-	-	26,2	184	26,8	195	26,8	205
9	Beige/Blue	102-1941 White	-	-	-	-	-	-	25,9	208	27,7	221	29,0	233

Specifying Information—TS90TP

TS90TP XX-X-X				
Arc	Threads	Nozzle	Optional	
TS90TP	XX	X	E	
TS90TP— TS90TP 1" (25mm) Rotor with Trajectory	02—NPT 52—BSP	1 2 3	4 5 6	7 8 9
E—Effluent Model				

Example: A TS90 Series sprinkler with Trajectory, NPT threads, and with an #8 nozzle would be specified as: **TS90TP-02-8**