

**TORO.**

Count on it.

# 690 Series

## Rotors

*For nearly 40 years the 690 series has set the standard for durability and reliability* in commercial applications. Extremely rugged, the 690 Series is constructed of brass, stainless steel and engineering plastics for unmatched performance in the most demanding environments. The two-speed models provide improved performance and lower the system cost for larger radius applications.

### Features & Benefits

#### ARTIFICIAL PLAYING SURFACES

Radius and flow capabilities are perfect for cooling and rinsing artificial playing surfaces such as football fields.

#### ELECTRIC VALVE IN HEAD MODELS

Electric valve in head models provide individual head control that ensures run times can match differing soil, turf and terrain watering requirements, pressure regulation to ensure all nozzles perform at the same pressure and manual ON-OFF-auto control at the head.

#### FIXED ARC DRIVES

Nine fixed arc drive assemblies ensure positive retention of the coverage area with no arc drift

#### BALANCED APPLICATION RATE

Used in single or double row applications these sprinklers operate at a slower speed over the non-overlap area and a faster speed over the overlapped areas to provide a balanced application rate.





## Specifications

Model	Description
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- 691 90° Part-circle sprinkler
- 692 180° Part-circle sprinkler
- 694 Full-circle sprinkler
- 696 2-speed (60°-120°) sprinkler
- 698 2-speed (180°-180°) sprinkler

### Dimensions

- Body diameter: 10"
- Body height: 16"
- Weight: 5.6 lbs.

### Operating Specifications

- Radius: 87' – 108'
- Flow Rate: 51.0 – 82.2 GPM
- Operating Pressure: 80-100 psi (Max=150psi, Min=40psi)
- Pop-up height to nozzle: 3/4"
- Inlet: 1 1/2" NPT
- Check-O-Matic: Maintains 37' of elevation
- Electric Valve-in-head Solenoid: 24V ac, 50/60 Hz
  - Inrush: 60 Hz, 0.30 amps
  - Holding: 60 Hz, 0.20 amps
- All internal components serviceable from the top

### Warranty

- Three years

### 690 Series Performance Chart

Base Pressure	Nozzle Set 90		Nozzle Set 91		Nozzle Set 92	
	Radius	GPM	Radius	GPM	Radius	GPM
80	87	51.0	96	61.2	100	74.0
100	90	57.1	100	73.5	108	82.2

Radius shown in feet.  
Sprinkler radius of throw per ASAE standard S398.1.

## Specifying Information—690

69X-0X-XXX			
Arc	Valve-In-Head Type	Nozzle	Pressure Regulation*
69X	0X	XX	X
1—90° 2—180° 4—Full-circle 6—Full-circle, 2-speed (60°-120°) 8—Full-circle, 2-speed (180°-180°)	1—Normally Open Hydraulic 2—Check-O-Matic 6—Electric	90 91 92	8—80 psi 1—100 psi

**Example:** When specifying a 690 Series Sprinkler with a 180° arc, electric valve-in-head, #91 nozzle, and pressure regulation at 80 psi, you would specify: **692-06-918**

\*Electric models only.

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Specifications subject to change without notice. For more information, contact your local Toro distributor.  
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