

640 Series

- **Inlet Size: 1" (25mm) NPT or BSP**
- **Radius: 47'-67' (14,0-20,0m)**
- **Operating Pressure Range: 40-90 psi (2,8-6,2 Bar)**

Considered the most durable, heavy-duty commercial sprinkler available, the Toro® 640 Series is the proven veteran for athletic fields, parks, campuses and commercial sites.



*Effluent
Options
Available*



*Check Valve
Options
Available*

Features & Benefits

35 Years of Reliability

Once the 640 Series sprinkler goes in the ground, it stays there. With a stainless steel-encased nozzle assembly and gear drive design.

Normally Open Valve-In-Head Body

Allows individual head control - the only commercial grade Toro rotor available with this feature.

Stainless Steel, Engineering Plastic and Brass Construction

Provide dependable performance in the most demanding environments.

Standard Check Valve

Prevents low-head drainage and keeps laterals charged with water.



The 640 installs below grade for increased player safety.

Specifications

Dimensions

- Body diameter: 2½" (65mm)
- Cap diameter: 3¼" (83mm)
- Body height: Check-O-Matic – 9" (230mm);
- Valve-In-head: 10 ½" (267mm)
- Exposed surface diameter when buried ½" below grade: 1¾" (65mm)

Operating Specifications

- Radius: 47' – 67' (14-20m)
- Flow Rate: 6.0 – 25.0 GPM (23-95 LPM)
- Operating Pressure Range: 40-90 psi (2,8-6,2 Bar)
- Trajectory: 27°
- Pop-up to nozzle: 2 3/8" (60mm)
- Inlet: 1" female-threaded (25mm)
- Below-grade installation: up to ½" (13mm)
- Check-O-Matic maintains up to 15' (4,6m) elevation change
- Selection of five nozzles and 12 arcs
- Adjustment screw allows up to 25% radius reduction

Additional Features

- Standard rubber cover
- Vandal-resistant cap with locking set screw
- Small exposed surface diameter
- Gear-drive design
- Basket filter screen
- Stainless steel retraction spring

Options Available

- 995-100 - Valve-In-Head Snap Ring Pliers
- 995-08 - Valve Removal Tool
- 995-35 - Valve Insertion Tool
- 995-37 - Seal Installation Tool
- 995-42 - Canister Removal Tool
- 996-51 - Cap Removal Tool
- 35-0579 - #41 Fast Rotation Stator
- 35-1011 - #42/43 Fast Rotation Stator
- Effluent option available

Warranty

- Five years

640 Series Sprinklers Performance Data—Metric

27° Nozzle	Maximum Height of Spray
Nozzle Apex @ 3,5 bar	
40	3,5m
41	4,2m
42	4,1m
Nozzle Apex @ 4,0 bar	
43	5,7m
Nozzle Apex @ 5,0 bar	
44	6,0m

640 Series Model List Standard Arcs with Check-O-Matic

Model	Description
Body Package	
640-02	Check-O-Matic, NPT
640-52	Check-O-Matic, BSP
Nozzle/Stator Set	
640-40	#40 Nozzle & Stator
640-41	#41 Nozzle & Stator
640-42	#42 Nozzle & Stator
640-43	#43 Nozzle & Stator
640-44	#44 Nozzle & Stator
640-40E	#40 Nozzle & Stator, Effluent
640-41E	#41 Nozzle & Stator, Effluent
640-42E	#42 Nozzle & Stator, Effluent
640-43E	#43 Nozzle & Stator, Effluent
640-44E	#44 Nozzle & Stator, Effluent
Drive Assemblies	
640-090	Drive Assembly, 90 Degrees
640-180	Drive Assembly, 180 Degrees
640-270	Drive Assembly, 360 Degrees

Specifying Information—640

64X-X-X-4X-XXX-E						
Arc	Thread	Valve Type	Nozzle	Special Arc		Optional
X	X	X	X	XXX		E
0—Special Arc	0—NPT Thread	1—Normally Open Valve-In-Head	0	045°	148°	E—Effluent Model
1—90°	5—BSP Thread	2—Check-O-Matic	1	060°	173°	
2—180°			2	108°	192°	
3—270°			3	127°	238°	
4—360°			4			

Example: A 640 Series Sprinkler with a 90° arc, 40 nozzle and a check valve, would be specified as: **641-02-40**

Most 640 sprinklers are available in component parts only. Consult Res/Com Finished Goods Price List for a complete list of sprinklers available as finished goods.

