

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.

640 Series

Specifications

Dimensions

- Body diameter: 2 1/2" (65mm)
- Cap diameter: 3 1/4" (83mm)
- Body height: Check-O-Matic – 9" (230mm); Valve-In-head – 10 1/2" (267mm)
- Exposed surface diameter when buried 1/2" below grade: 1 3/4" (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 1/2" (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 Rotating Stator
- 35-1011 - #42/43 Fast Rotating Stator
- Effluent options available

Warranty

- Five years

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	
• 641-40	#40 Nozzle & Stator
• 641-41	#41 Nozzle & Stator
• 641-42	#42 Nozzle & Stator
• 641-43	#43 Nozzle & Stator
• 641-44	#44 Nozzle & Stator
• 642-40E	#40 Nozzle & Stator
• 642-41E	#41 Nozzle & Stator
• 642-42E	#42 Nozzle & Stator
• 642-43E	#43 Nozzle & Stator
• 642-44E	#44 Nozzle & Stator
Drive Assemblies	
• 640-090	Drive Assembly, 90 Degrees
• 640-180	Drive Assembly, 180 Degrees
• 640-270	Drive Assembly, 270 Degrees

640 Series Model List

Model	Description
• 640-0XXX	Drive Assembly
• 640-10	Body Package, Valve-In-Head
• 640-20	Body Package, Check-O-Matic
• 640-XX	Nozzle and Stator
• 640-XXX	Nozzle and Stator, Effluent
Standard Arcs w/Check-O-Matic	
• 641-02-40	90° Arc, #40 Nozzle
• 641-02-41	90° Arc, #41 Nozzle
• 641-02-42	90° Arc, #42 Nozzle
• 641-02-43	90° Arc, #43 Nozzle
• 641-02-44	90° Arc, #44 Nozzle
• 642-02-40	180° Arc, #40 Nozzle
• 642-02-41	180° Arc, #41 Nozzle
• 642-02-42	180° Arc, #42 Nozzle
• 642-02-43	180° Arc, #43 Nozzle
• 642-02-44	180° Arc, #44 Nozzle
• 644-02-40	360° Arc, #40 Nozzle
• 644-02-41	360° Arc, #41 Nozzle
• 644-02-42	360° Arc, #42 Nozzle
• 644-02-43	360° Arc, #43 Nozzle
• 644-02-44	360° Arc, #44 Nozzle

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

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.

