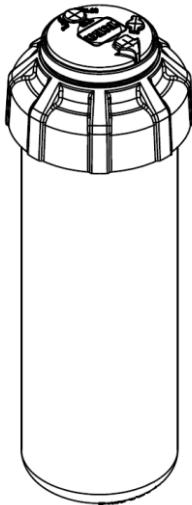


T5 Series Sprinklers



Specifying Information – T5 Series Sprinklers

T5XX XXXX CK E-RS

Sprinkler Model	Body Type	Optional	Nozzle		Optional	Additional Options
Toro T5 Rotor	P – 5" Lawn Pop-Up S – Shrub HP – 12" High-Pop	CK-Check-O-Matic*	1.5–1.5 GPM 2.0–2.0 GPM 2.5–2.5 GPM 3.0–3.0 GPM 4. 0–4.0 GPM 5. 0–5.0 GPM 6. 0–6.0 GPM 8. 0–8.0 GPM	Low Angle Nozzles 10LA-1.0 GPM 15LA-1.5 GPM 20LA-2.0 GPM 30LA-3.0 GPM	E-Effluent	RS-RapidSet™ Arc Adjustment

Example: When specifying a T5 Series Sprinkler with check valve, RapidSet™ arc adjustment, and 2.5 gallon nozzle, use the following designation: **T5PCK2.5-RS**

*Check-O-Matic standard on all shrub models.

Specifications

- Radius: 25'-50' (7,6 – 15,2m)
- Flow rate: .76-9.63 gpm (2,8-36,5 lpm)
- Arc: Reversing, part-circle/full circle rotation, adjustable from 40°-360°
- Recommended operating pressure range: 25-70 psi (1,7-4,8 Bar)
- Check valve capable of checking up to 7' (2,1m) of elevation difference
- Inlet size: 3/4" (20mm) NPT
- Overall height: 7.5" (190mm)
- Body diameter: 2.25" (57mm)
- Pop-up to nozzle: 5" (127,0mm)
- Weight: .49 lbs. (.22 kg.)
- Precipitation rates:
 - Minimum: .20"/hr. (5,1 mm/hr.)
 - Maximum: .86"/hr. (21,8 mm/hr.)
- Radius reduction screw retains nozzle and provides up to 25% radius reduction
- Two nozzle trees: Eight standard angle (25°) nozzles (1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0). Four low angle (10°) nozzles (1.0, 1.5, 2.0, 3.0)

Bidding Specifications

This sprinkler shall be capable of reversing full-circle and

part-circle operation and be a gear-driven rotary type. The sprinkler shall be of a pop-up design with a overall height to nozzle of 5" (127mm), and a cap diameter of 2.6" (66,0mm). The sprinkler shall have a 3/4" (20mm) NPT female-threaded inlet. The sprinkler shall be capable of covering ____ feet radius at ____ pounds per square inch pressure with a discharge rate of ____ gallons per minute.

Water distribution shall be via a single pressed-in nozzle mounted in a 1.44" (36,6mm)-diameter plastic nozzle turret and retained by the radius reduction screw. There shall be two nozzle trajectory angles available – a standard angle of 25° and a low angle of 10°. The standard angle nozzle set shall cover a flow range of 1.15-9.70 gpm (4.35-36.72 lpm) flow and a radius range of 33'-50' (10,1-15,2m). The low angle nozzle set shall cover a flow range of .74-3.70 gpm (2,80-14,01 lpm) flow and a radius range of 25'-36' (7,6-11,0m). All of the sprinkler nozzles shall have molded-in text for easy identification of radius and flow performance capabilities. A stainless steel radius reduction screw shall be provided for fine-tuning the radius up to a 25% reduction. All nozzles

shall be sized to allow any particle capable of passing through the riser screen to pass through the nozzle.

The arc of the sprinkler shall be top-adjustable with the provided tool, wet or dry. The sprinkler shall enable the user to fast forward (advancing in the same direction as the gear drive) the nozzle turret in either direction (wet or dry). The left and right arc limits shall be hard stops, so that the user can palpate the arc limits. The sprinkler shall be adjustable from a minimum of 40° part-circle to maximum of 360° reversing full circle. When using the arc adjustment tool, the left arc position shall be fixed and be readily identified by a manually fast forwarding to the hard stop. The right arc shall be the adjustable position when using the arc adjustment tool.

The sprinkler shall also be available with an optional RapidSet™ arc adjustment which allows arc adjustment with no tools. When adjusting the arc with this method, the right arc position shall only be adjustable in the clockwise direction, by clutching the nozzle turret beyond the hard right stop. Similarly, the left arc position shall be adjusted in the counterclockwise direction by

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clutching the nozzle turret beyond the hard left stop position. Finally, the left arc position may be adjusted in the clockwise direction by turning the nozzle turret to the hard right stop, next turning towards the hard left stop by the amount of adjustment desired, then clutching the nozzle turret back to the hard right stop.

The date of manufacture shall be stamped onto the bottom of the riser in the Julian calendar format.

Rotation shall be accomplished by a water-lubricated cluster gear drive. The drive assembly shall be driven by a variable stator that maintains a constant speed of rotation with all nozzles. The variable stator shall require no adjustments when changing nozzles.

The body and cap of the sprinkler shall be injection-molded from ABS, a corrosion-proof, impact-resistant, UV-resistant, heavy-duty, engineering-grade plastic material. The nozzle turret cover shall incorporate a pull-up feature that provides serviceability of the nozzles and riser assembly. The sprinkler shall have a plastic filter screen in the riser to prevent entry of foreign material from clogging the nozzle.

All internal components shall be serviceable from the top of the sprinkler without disturbing the body installation. The sprinkler shall have a riser/body seal assembly that regulates flushing during pop-up and retraction to clear any debris from around the riser, and a heavy-duty, stainless-steel spring to ensure positive retraction. Sprinkler flush rate shall not exceed 1 GPM (3.8 lpm).

The rubber cover shall be injection-molded from Santoprene thermoplastic elastomer intended to

provide a cushion to avoid personal injury from contact. The rubber cover shall be available in a lavender color to identify the use of non-potable water (effluent) not intended for human consumption.

The sprinkler shall provide a check valve feature that prevents low head drainage, soil erosion and water waste while maintaining water in the piping system up to 7' (2.1m) of elevation difference. The check valve shall be removable, allowing full pipe drainage if desired.

The sprinkler shall be developed and manufactured by an ISO 9001-certified facility. The sprinkler shall be model number _____ and shall be manufactured by The Toro Company, Irrigation Division.

Recommended Installation Procedures

The T5 Series sprinkler is designed specifically for turf areas requiring _____ coverage. These products offer the most economical method of irrigation where flows and system pressures are available to support a short- to medium-range radius.

The T5 Series sprinkler should be specified for installation on a swing joint. The swing joint should be specified as a triple-swing type, allowing movement up, down, laterally, and at an angle to grade. The sprinkler should be installed with the top of the cap at finished grade.

T5 Series sprinklers are engineered to provide a smooth, consistent curtain of water across the arc, with provision made for head-to-head coverage. For proper spacing, ensure that system design and installation accounts for prevailing wind conditions.

It is recommended that sprinklers are installed 2" (5 cm) from hardscaping and 6"-12" (15.2-30.5 cm) from buildings or other vertical impediments to allow for normal maintenance procedures and to minimize overspray on buildings. Where possible, sprinklers should be installed in a manner that will minimize nozzle stream contact with trees, controller enclosures, shrubbery or other obstructions.