



## T5 RAPIDSET SERIES SPRINKLER BIDDING SPECIFICATIONS

**Note: These specifications were current at the time of publication, but are subject to change at any time without notice. Please confirm the accuracy of these specifications with the manufacturer and/or distributor prior to installation.**

The combination full- and part-circle sprinklers shall be a gear-driven rotary type and infinitely adjustable between 40 and 360 degrees. The sprinkler shall be capable of covering \_\_\_ feet of radius at \_\_\_ pounds per square inch (psi) pressure with a discharge rate of \_\_\_ gallons per minute (gpm). Water distribution shall be via one nozzle insert from a nozzle tree of eight (8) standard and four (4) low angle nozzles. Radius reduction shall be adjustable up to 25% by means of a stainless steel radius adjustment screw accessible from the top of the nozzle when the sprinkler is properly installed. The body and cap of the sprinkler shall be injection-molded ABS (Acrylonitrile butadiene styrene), a heavy-duty, non-corrosive, impact and UV-resistant plastic material. The sprinkler shall have a plastic filter screen in the base of the riser that prevents the entry of foreign material into the nozzle. All components shall be removable from the top of the sprinkler case.

The sprinkler shall have a single-piece riser/body seal that regulates flushing during pop up and retraction to clear any debris from around the riser; a heavy-duty stainless steel spring shall ensure positive retraction of the riser. The seal shall utilize a spring support that supports the spring and maintains positive engagement between the seal and the body. The seal shall be a single piece construction and made of injection-molded Monprene impregnated with Kemamide®.

The sprinkler shall incorporate RapidSet®, an arc adjustment feature that allows the sprinkler's arc to be set or adjusted without the need for an adjustment tool. With RapidSet, the rotor's arc can be set by hand through a series of turns of the nozzle base. The sprinkler shall include a nozzle base slip clutch feature that enables the user to rotate the nozzle base in either direction (wet or dry) and hold in one position (during operation) for spot watering without the risk of breaking the rotor's gears.

The sprinkler shall be capable of accepting any one of twelve (12) nozzles. The eight (8) standard nozzles shall offer flow ranges of 1.5 to 8.0 gpm and shall have a trajectory of 25 degrees. The low angle nozzles shall have flow ranges of 1.0 to 3.0 gpm and shall have an approximate trajectory of 10 degrees. All nozzles shall be clearly marked just below the nozzle openings with their respective flow rate. The sprinkler shall employ a modular, interchangeable nozzle technology. Any individual nozzle shall be easily removed, installed and held in place by the stainless steel set screw located on top of the rubber cover. The standard #3.0 nozzle shall be factory installed.

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

An optional check valve shall be available with a hold back strength of 7' of elevation change. The T5 shall have a 5" pop up when measured from the level of the installed grade to the top of the standard rubber cover.

The sprinkler shall be a model number \_\_\_\_\_ and shall be manufactured by The Toro Company, Irrigation Division, based in Riverside, California, USA.

**END OF SECTION**