



# Product Specifications

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K-Rain SuperPro Gear Drive Rotor

Model # 10003, 10003-SH, 10003-HP

Professional Series Sprinkler

The sprinkler shall be of the gear-driven, rotary type, capable of covering a 26 - 49 foot (7.9-14.9m) radius at 30 – 70 PSI (2.1 bar/210 kPa-4.8 bar/480 kPa) with a precipitation rate of .05–.55 inches (.12-1.4 cm) per hour. The sprinkler shall have a manual flow shut-off. The sprinkler shall be available with nine (9) numerically coded nozzles with a trajectory of 26° discharging from .5 to 10 GPM (1.8-37.8 l/m) and four (4) low-angle nozzles with a trajectory of 12° discharging from 1.2 to 8.6 GPM (4.5-32.5 l/m). The sprinkler shall have radius adjustment capabilities by means of a stainless-steel nozzle retainer/radius adjustment screw.

The sprinkler shall be adjustable in both part circle and a true full continuous 360° circle configuration. The adjustable part circle unit shall be minutely adjustable from 40° to 360°. The sprinkler shall have a top arc adjustment carried out by rotation of a flat blade screwdriver within the top cover. The sprinkler shall have an arc indication arrow on the top of sprinkler displaying the coverage pattern set. The sprinkler shall also have a friction-clutch mechanism to allow for 360°+ forward or reverse movement of nozzle turret without damage to the internal gear components. Sprinkler shall have a memory arc clutch feature to allow original arc pattern to be automatically resumed following disturbance to nozzle turret. The adjustable unit shall be adjustable in all phases of installation (i.e., before installation, after installation while static, and after installation while in operation).

The sprinkler shall have a minimum of 5-inch (12.7 cm) pop-up stroke to bring the rotating nozzle turret into a clean environment. The sprinkler shall be available as an above ground shrub head (10003-SH) and as a 12-inch (30.5) pop-up (10003-HP). The sprinkler shall be equipped with an optional drain check valve to prevent low head drainage, and be capable of checking up to 10 feet (3 m) in elevation change.

The sprinkler shall have a rubber cover firmly attached to the top of the turret. When specified, the sprinkler shall have a molded purple rubber cover to indicate the use of reclaimed water. The sprinkler shall have an exposed surface diameter after installation of 1-3/4 inches (4.4 cm) and have an overall height of 7-1/2 inches (19.1 cm). The unit shall have a 3/4-inch Female National Pipe Thread (FNPT) inlet. The sprinkler shall be serviceable after installation by unscrewing the body cap, removing the riser assembly, and extracting the inlet filter basket.

The body and riser of the sprinkler shall be constructed of corrosion resistant, impact resistant, heavy duty ABS. It shall have a stainless steel spring for positive retraction of the riser when irrigation is complete. The sprinkler shall carry a five-year trade, exchange warranty.

The sprinkler shall be manufactured by K-Rain Manufacturing Corporation of Riviera Beach, Florida an ISO 9001:2000 Certified Company.