



Product Specifications

SuperPro Gear Drive Rotor / Professional Series Sprinkler

Model # 10003, 10003-CV, 10003-CV-HP, 10003-NN, 10003-SH

The sprinkler shall be of the gear-driven, rotary type, capable of covering a _____ foot (m) radius at _____ PSI (bar;kPa) with a discharge rate of _____ inches per hour (mm/h;l/m). The sprinkler shall be available with nine (9) numerically coded nozzles with a trajectory of 26° discharging from .5 to 9.5 GPM (1.8-36.0 l/m) and four (4) low-angle nozzles with a trajectory of 12° discharging from 1.1 to 4.3 GPM (4.2-15.3l/m). The sprinkler shall have radius reduction capabilities by means of a stainless-steel nozzle retainer and radius adjustment screw.

The sprinkler shall perform as a continuous full circle and as an adjustable part-circle configuration in a single unit. The sprinkler shall be minutely adjustable from 40° to 360°. The unit shall be adjustable in all phases of installation (i.e., before installation, after installation while static, and after installation while in operation) by turning the sprinkler head riser.

The sprinkler shall have manual flow shut-off function and flow regulator mechanism to regulate distance and water flow proportionately. The flow regulator shall be turned to either increase or decrease flow rate up to fifty percent (50%) to deliver even distribution of water. The flow control shall be located on the top of the sprinkler head. The sprinkler shall have a top arc adjustment carried out by the rotation of a flat blade screwdriver within the top cover. At the top of the unit, there shall be an arc indication arrow displaying the water coverage pattern set. The sprinkler shall have a friction-clutch mechanism to allow for 360° forward or reverse movement of nozzle turret without damage to the internal gear components. The sprinkler shall have a memory arc clutch feature that automatically returns the nozzle to its original orientation following disturbance to the nozzle turret.

The sprinkler shall have a pressure activated multi-function wiper seal that positively seals against the pop-up stem to reduce leaks caused by trapped debris under the wiper seal. The wiper seal shall be capable of sealing the sprinkler cap to sprinkler body under normal operating pressures. 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 and purple twist cap to indicate the use of non-potable water (10003-RCW).



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The sprinkler shall have a minimum of 4-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 cm) pop-up (10003-HP). The sprinkler shall have an exposed surface diameter after installation of _____ inches (cm) and have an overall height of _____ inches (cm). The unit shall have a 3/4-inch (1.9 cm) Female National Pipe Thread (FNPT) inlet.

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 be serviceable after installation by unscrewing the body cap, removing the riser assembly, and extracting the inlet filter screen. The inlet filter basket shall protect the drive from clogging and shall be removed for cleaning and flushing the system.

The sprinkler shall be equipped with an optional drain check valve (10003-CV) to prevent low head drainage and be capable of checking up to 10 feet (3 m) in elevation change. The sprinkler shall also be available with no pre-installed nozzle (10003-NN).

The sprinkler shall carry a seven-year trade, exchange warranty.

The sprinkler shall be manufactured by K-Rain Manufacturing Corporation of Riviera Beach, Florida.