



Product Specifications

RPS50 Gear Drive Rotor for Non-Potable Water / Professional Series Sprinkler

Model # RPS50-RCW, RPS50-CV-RCW

The sprinkler shall be of the gear-driven, rotary type for non-potable water, 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 supplied with five (5) numerically coded interchangeable nozzles with a trajectory of 26° discharging from .8 to 3.3 GPM (3.0–12.5 l/m). The sprinkler shall have radius adjustment capabilities by means of a stainless-steel radius adjustment screw.

The sprinkler shall operate in a full circle and part-circle configuration in a single unit. The sprinkler shall be minutely adjustable from 40° to 360° from a fixed right start position. The sprinkler 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 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 sprinkler riser to seal dirty and increase product durability. When specified, the sprinkler shall have a molded purple rubber cover to indicate the use of non-potable water (RPS50-RCW).

The sprinkler shall have a minimum of 4-inch (10.1 cm) pop-up stroke to bring the rotating nozzle turret into a clean environment. Pop-up height as measured from the top of the cap at normal installation to the middle of the nozzle opening shall be _____ inches (cm). 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 1/2-inch (1.3 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 basket. The inlet filter basket shall protect the drive from clogging and shall be removed for cleaning and flushing the system. The sprinkler shall include a universal plastic adjustment tool.



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The sprinkler may be equipped with an optional drain check valve (RPS50-CV-RCW) 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 (RPS50-NN-RCW).

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

The sprinkler shall be manufactured by K-Rain Manufacturing Corporation of Riviera Beach, Florida an ISO 9001:2015 Certified Company.