Platinum Sport Rotors

Bidding Specifications

Rotors shall be Platinum Sport gear-driven models as manufactured under the name of Irritrol Systems or approved equal.

Construction: The sprinkler shall be of a gear-driven rotor type, capable of covering a ___ foot (____ meter) radius at ____ psi (____Bars) with a discharge rate of ____GPM (____$^{L}/_{M}$). Each sprinkler shall be shipped with a nozzle tree consisting of 7 nozzles (one nozzle may be shipped in the sprinkler). The nozzles shall be identified as 7, 9, 12, 16, 20, 24 and 27 on the nozzle tree. The nozzles shall be interchangeable. A tool shall be provided to pull-up the riser for nozzle installation and also for turning the radius reduction screw (allows up to 25% radius reduction). The nozzles shall discharge between 6 GPM and 30 GPM depending on nozzle size and pressure at the base of the nozzle.

Performance: The sprinkler shall be fully adjustable from 40 to 360 degrees. The sprinkler shall be adjustable in both dry and wet conditions. Adjustments shall be accomplished by inserting a straight end screwdriver into the arc adjustment slot and turning relative to the indication on the rubber cover to increase or decrease the arc. The arc pointer will point to the selected arc setting. When set at 360 degrees, the sprinkler will rotate continuously in the direction chosen. The sprinkler comes with a 5" pop-up height to the nozzle. The sprinkler shall have a slip clutch feature that will prevent damage to the internal drive components if someone intentionally tampers with the sprinkler. Further, the sprinkler will have an arc return feature that allows the sprinkler to return to its originally set arc pattern if tampered with. The sprinkler shall have a 1" NPT inlet. The sprinkler shall be serviceable from the top by unscrewing the cap and removing the internal assembly. The internals shall be removable as one unit capable of being disassembled to the riser and various parts attached to the riser assembly. The sprinkler shall have a locking screw in the side of the cap to prevent vandalism. A reversible check valve feature shall be installed in every sprinkler, capable of holding back up to 8' of elevation change.