



## 7500, 7510E Series Full and Reversing Part Circle Sprinkler

**SPRINKLER:** shall be of water driven gear type, capable of covering a \_\_\_\_\_ foot radius at \_\_\_\_\_ PSI with a discharge rate of \_\_\_\_\_ GPM. The sprinkler shall have 6 interchangeable Acu-Cover nozzles ranging from 9.4 to 27.5 GPM (2,13 to 6,24 m<sup>3</sup>/hr)

Sprinkler shall be adjustable without tools to cover a part circle between 40° and 310° or a continuous 360° rotation. The left and right sides of an arc shall be adjustable with the adjustable Click-Set® Disk. When the adjustable arc disc is used, the sprinkler shall automatically readjust to the defined pattern if the nozzle turret is manually rotated out of position. The radius shall be adjusted by a stainless steel diffuser pin.

Sprinklers shall have a pop-up height of 4-1/2" (11,4 cm) and shall have an overall height of 9-1/2" (24,1 cm). The sprinkler shall have a 1" female NPT inlet (7500) or a 1" BSP inlet (7510E). The sprinkler shall have a one-piece, locking, rubber cover. All internal parts shall be removed as one piece from the top of the sprinkler by unscrewing the canister top.

Sprinkler shall incorporate an anti-drain valve (ADV) and a heavy duty spring to hold back 10' (3m) of elevation change to prevent puddling, run-off and erosion caused by low-head drainage.

Sprinkler shall have a stainless steel covered nozzle turret and riser stem. This riser stem shall be tapered and conform to the standard plastic riser in all other ways

Sprinkler shall have a pressure activated multi-function wiper seal that positively seals against the pop-up stem to keep debris out of the rotor and to clean debris from the pop-up stem as it retracts. This wiper seal shall prevent sprinkler from sticking up and be capable of sealing the sprinkler cap to sprinkler body under normal operating pressures.

Sprinkler shall have a bypass valve that will standardize sprinkler rotation speed regardless of nozzle size. A filter screen shall prevent debris from entering the sprinkler. The screen is designed for minimal flow restriction. The sprinkler shall be constructed of high-impact corrosion-resistant plastic and all metal parts will be constructed of stainless steel.

Sprinkler shall be manufactured by Weathermatic, Garland, Texas

### OPTIONAL FEATURES:

#### **7500RW, 7510ERW Series Sprinkler Non-Potable**

When so indicated on the design, the sprinkler shall have a purple rubber cover to indicate to the user that non-potable water is being used. There shall be no difference between the black and the purple covers, except for the color.

Sprinkler shall be manufactured by Weathermatic, Garland, Texas

#### **7503, 7513E Series Sprinkler High Speed**

When so indicated on the design, the rotor shall have a stainless steel covered nozzle turret and riser stem and shall complete a full-circle rotation in approximately one minute

Sprinkler shall be manufactured by Weathermatic, Garland, Texas

**WARRANTY:** Controller shall have a manufacturer's limited warranty of five (5) years.