



## IRRIGATION

### PART 1 - PRODUCTS

#### 1.1 ROTARY SPRINKLER HEAD

- A. ROTARY SPRINKLER HEAD(S): shall be the Turbo 3 (Options: N and/or -CV) as manufactured by Weathermatic Sprinkler Division of Telsco Industries, or approved equal. Sprinkler shall be a 4" pop-up type (T3 and T3SS) and 4" shrub type (T3S) with positive gear drive for full-circle and part-circle coverage and 3/4" NPT riser connection.
  - 1. Head shall be made of high-strength, non-corrosive plastics and metals to ensure long-life performance including stainless steel sleeving option on the nozzle turret and riser (T3SS). The sprinkler head shall have a sealed, lubricant-packed drive housing to assure long-life performance. Sprinkler head shall have a threaded screw-on cover and include a (Option: A Non-potable Alert) rubber cover. Sprinkler head shall utilize a double lip pressure activated wiper seal in conjunction with a stainless steel spring to assure positive head retraction. A slip clutch shall be included to protect gear train from damage. Reversing mechanism shall utilize an independent filtration system to prevent stalling. A check valve shall be provided to prevent low head drainage. Arc degree settings shall be clearly marked on adjustment ring to permit ease of adjustment.
- B. The arc adjustment ring on nozzle flow tube shall permit quick adjustment of arc size from 40 degrees to 360 degrees without the use of tools or the removal of the inner assembly. A set of field changeable nozzles shall be provided with each sprinkler to adapt performance to site conditions. The nozzle set shall include standard 26 degree trajectory and 13 degree low angle trajectory. Radius range shall be 23 to 61 feet. The sprinkler shall have an automatic adjusting stator to correctly match the flow required at the impeller with the nozzle selected and to regulate speed of rotation. Sprinkler shall momentarily dwell at the end of both arcs to provide uniform precipitation to border areas. Sprinkler head shall accept the vandal cover lock (XVT3) to lock cover to body.
- C. The rotary sprinkler head shall have a manufacturer's limited warranty of not less than five (5) years.