

MODEL VF32

VERTICAL DOWN FLOW METER SOLID STATE ELECTRONIC PROPELLER METER INDICATOR-TOTALIZER SIZES 4" thru 20"

SPECIFICATIONS

METER shall be a velocity propeller type, magnetic drive, sealed housing, vertical down flow meter for 150 psi working pressure. It shall comply with the applicable provisions of AWWA, except for the higher standard required in this specification. In the event of conflict, the specification herein shall prevail. The meter shall be a WATER SPECIALTIES inch MODEL VF32 with a sealed indicator having a range of 0 to and shall be equipped with a six digit totalizer reading in units of and shall be accurate within ±2% of true flow within a range of to GPM or an approved equal. The meter assembly shall be constructed as follows:
and shall be equipped with a six digit totalizer reading in units of and shall be accurate within ±2% of true flow within a range of to GPM or an approved equal. The meter assembly shall be constructed as follows: METER HEAD shall be connected to the tube by means of a flanged, flat gasket sealed connection with stainless steel botts designed for easy removal for inspection or repair. The meter head shall be blasted to near white metal and coated with 12-15 mils of fusion bonded epoxy coating, applied by the fluidized bed method. DROP-PIPE AND SEPARATOR shall be a stainless steel factory sealed unit having four straightening vanes welded to the drop pipe. However, parts shall be coupled so with proper instructions the parts can be replaced in the field without returning the meter to the factory. The drive mechanism shall be magnetically driven from the propeller through a ceramic sleeve magnetic coupling, and be isolated from the water flow by means of an o-ring sealed housing. A rigid stainless steel vertical shaft is required from the separator to the indicator drive gear. PROPELLER shall utilize a water lubricated ceramic sleeve and spindle bearing system. The stainless steel/ceramic spindle on which the propeller is mounted shall be parallel to the direction of the water flow in the pipe. Dual ceramic thrust bearings shall be standard on all meters to handle flows in both the forward and reverse directions. The propeller shall be a conical shaped, three bladed propeller, injection molded of thermoplastic material, resistant to normal water corrosion and deformity due to high flow velocities. INDICATOR-TOTALIZER shall have a full 4" diameter indicator dial having a range of 0 to (specify indicator range and units) and shall be equipped with a six digit, straight reading type totalizer with black numbers on white wheels at least 3/16" high. The totalizer shall read in units of (specify totalizer units) and shall be active at each shall be accurate and linear within ±1% at al