



The Model PV30 comes with a graphical display based on Chip-On-Glass and FSTN technology, which gives a sharp, readable display that won't lose segments throughout its life.



#### APPLICATIONS

- Sprinkler & drip irrigation systems
- Golf course and park water management
- Water distribution and surface water
- Gravity turnouts from underground pipelines
- Commercial nurseries
- Water and wastewater management

#### DESCRIPTION

The **PV30 Vertical Upflow Tee Tube Meter** is designed for a wide range of applications up to 150 PSI working pressure. The meter's base and side outlets are 150 lb. AWWA class D flat face steel flanges. The fabricated steel tube has straightening vanes and is protected internally and externally with fusion epoxy resin. The PV30's optimized and modern construction relies primarily on electronic components, which reduces the amount of moving parts (except for the propeller). This simplifies the maintenance process and reduces its cost.

#### INSTALLATION

The PV30 installation can be made to any vertical discharge line with compatible flange connections or to vertical discharge concrete turnouts with the proper anchor bolts. The meter must be installed upward, and a fully developed flow in a full pipe is required for accuracy purposes. Any obstructions, such as valves or fittings, must be placed at a minimum of 5 pipe diameters upstream and 1 pipe diameters downstream.

#### OPTIONAL EQUIPMENT

OCTF-XX: Pulse Output Kit—Includes 6+ feet of cable  
RMTF-XX: Remote Mount Kit—Up to 100 feet of cable  
TR420: 4-20 mA Output—DC Powered (9-30 Vdc) transmitter  
TRDL: Data Logger—Build-in data logger  
TRS0: Sensus Smart Output

#### INDICATOR-TOTALIZER

The Model PV30 meter is equipped with a battery-powered microcontroller-based indicator-totalizer. The digital display features a 5-digit autorange indicator and an 8-digit totalizer, which can be configured to the operator's desired units in a matter of seconds. All TechnoFlo meters are entirely field-programmable and include a scaled pulse output. Once programmed, a passcode can be used to lock the settings and prevent unauthorized changes to the transmitter's functions and parameters. The aluminum housing on the PV30 meter provides the indicator-totalizer with increased protection against the elements and hazards encountered in the field.

#### MATERIALS

**Housing**— Powder-coated aluminum  
**Propeller**— Injection molded thermoplastic  
**Drop Pipe**— 304 stainless steel  
**Bearing**— Long-life, water-lubricated ceramic  
**Meter Head**— 304 stainless steel  
**Meter Tube**— Epoxy-coated fabricated steel

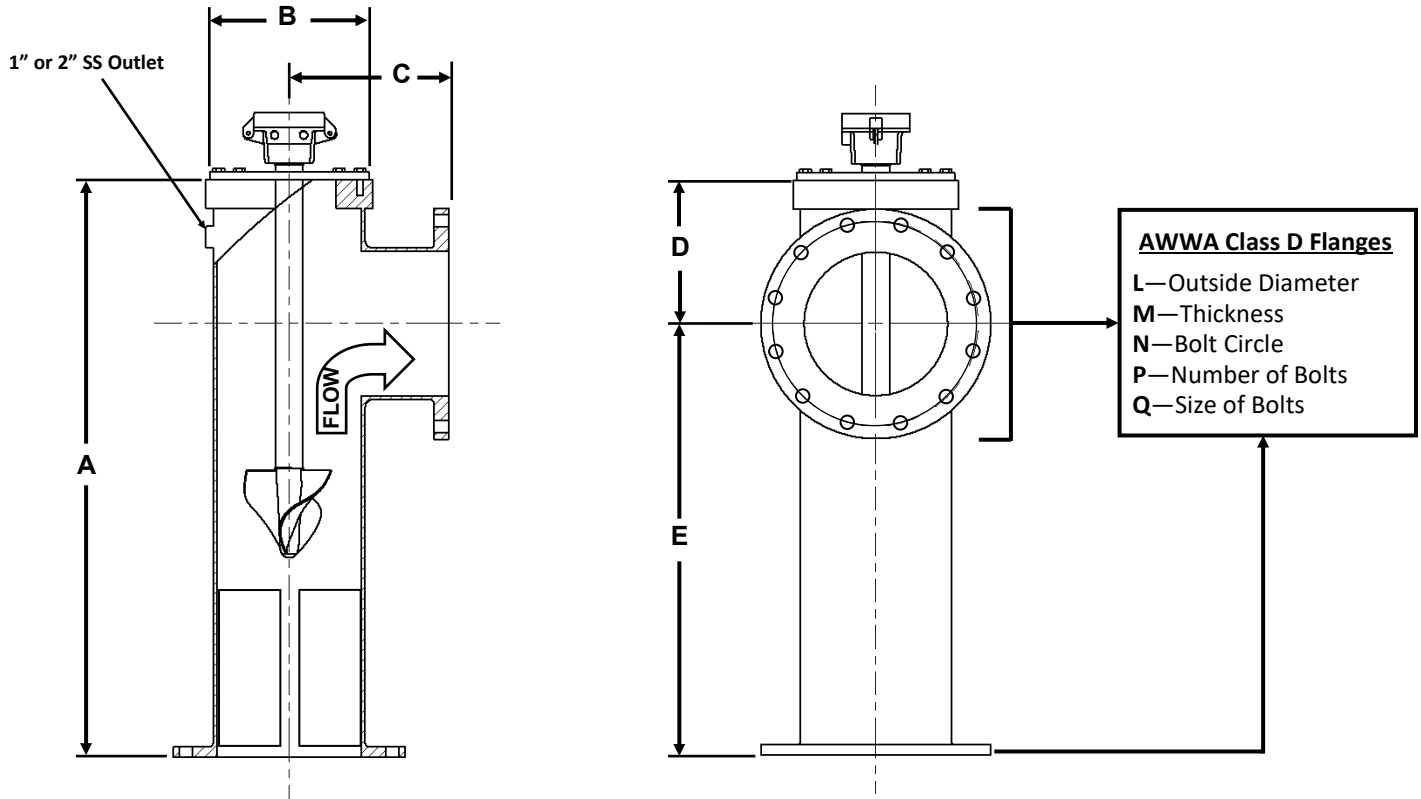
#### SPECIFICATIONS

**Accuracy:** +/- 2% of actual flow  
+/- 1% over reduced range  
**Max. Temp:** 140 °F Maximum  
**Pressure Rating:** 150 PSI (Max. working pressure)  
**Battery Life:** 5+ years (depends on hours of use)

Meets AWWA C704-12 Standard

# MODEL PV30

Vertical Upflow Tee Tube Meter  
 Electronic Propeller Meter  
 Digital Indicator-Totalizer  
 Sizes 4" through 20"



METER & PIPE	FLOW RANGES, GPM			DIMENSIONS, INCHES										SHIPPING WEIGHT,
	MIN	MAX	INT	A	B	C	D	E	L	M	N	P	Q	
4	55	500	700	40	11	8	10	30	9	$\frac{5}{8}$	$7\frac{1}{2}$	8	$\frac{5}{8}$	
6	120	1200	1500	40	11	9	10	30	11	$\frac{11}{16}$	$9\frac{1}{2}$	8	$\frac{3}{4}$	
8	150	1500	2000	40	11	10	10	30	$13\frac{1}{2}$	$\frac{11}{16}$	$11\frac{3}{4}$	8	$\frac{3}{4}$	
10	180	2000	3000	40	11	11	10	30	16	$\frac{11}{16}$	$14\frac{1}{4}$	12	$\frac{7}{8}$	
12	200	3000	3500	40	11	12	10	30	19	$\frac{13}{16}$	17	12	$\frac{7}{8}$	
14	300	4000	4500	40	11	14	10	36	21	$\frac{15}{16}$	$18\frac{3}{4}$	12	1	
16	400	5000	6000	54	11	15	$11\frac{1}{2}$	$42\frac{1}{2}$	$23\frac{1}{2}$	1	$21\frac{1}{4}$	16	1	
18	550	6000	7500	60	11	18	12	48	25	$1\frac{1}{16}$	$22\frac{3}{4}$	16	$1\frac{1}{8}$	
20	650	8000	9000	66	11	20	14	52	$27\frac{1}{2}$	$1\frac{1}{8}$	25	20	$1\frac{1}{8}$	