

Product Data Sheet PDS-142 2021-01-09

Waterworks Intake Meter



Description

A Waterworks Intake Meter is an economical Propeller Design Minimizes Maintenance and easily installed meter for large volume. The propeller is made of a tough, durable, flow measurement at the discharge end of a abrasion-resistant material. The conical shape closed conduit, inverted siphon, reservoirs. Existing structures often provide an stress allows the propeller to shed debris such excellent mounting for the meter.

Certified Accuracy

Accuracy is within 2% of actual flow for the Materials of construction have been selected specified meter range. This accuracy is guaranteed by certified wet calibration at three bearings are stainless steel, bearing housings test points in Sparling's NIST traceable primary are Brass (10" - 30") and Cast Iron (36" - 72"). flow laboratory. Each meter is tested at low Drop pipes are Brass (10" - 30") and Steel (36" flow, mid-range, and high flow. A test 72"). certificate is provided with each meter.

Installation

The meter propeller, fully submerged and Reading Clock which registers in units or facing the center of the flow at the discharge end of a pipe, closed conduit, or inverted siphon, is suspended from a pipe column attached to a wall or simple support structure. Concrete pipe or a simple culvert structrue is a satisfactory meter tube. Gate valves or other obstructions should be at least ten pipe diameters upstream from Straightening vanes may be furnished as a separate item to insure straight flow conditions when used intermittently. Flow rates are and accurate measurement.

Materials

All materials used in manufacturing are highly Anticipated flow ranges and minimum and Special materials are utilized for highly order. corrosive conditions. Liquid temperatures should not exceed 100°F.

and and the ability of the material to flex under

as clumps of algae or rags without damage.

Rugged Construction Guarantees Long Life to provide many years of service. Shafts and

Rate Indication and Totalizer

Total flow is shown on a 6-digit Straight multiple units of Gallons, Cubic Feet or other standard units.

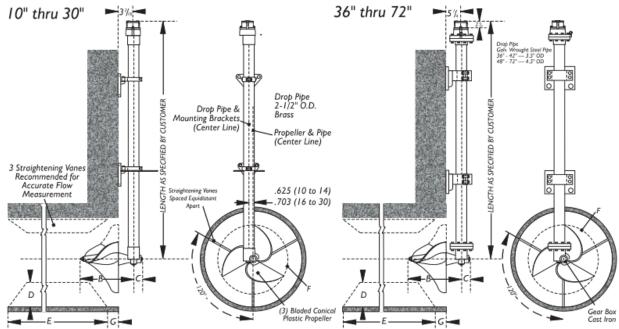
Flow Rate is easily obtained by timing the register clock test hand.

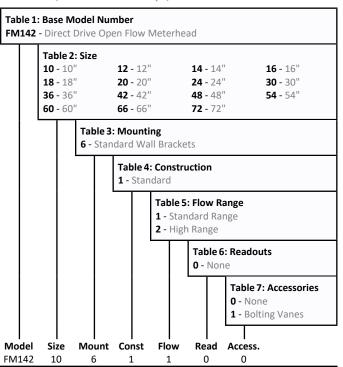
Flow Ranges

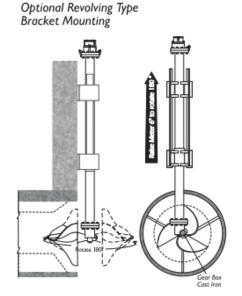
These meters measure accurately over a wide the meter. flow range of 10:1 or greater. The maximum flow ranges can be safely exceeded by 50% provided in the table under specifications for each of the sizes.

resistant to normal water corrosion and normal flow rates should always be specified recommended for water works application. on application sheets accompanying your









Size (in)	Weight (lbs)	В	С	D	E	F	G	Flow Range (GPM)	
								Standard	High
10.0	90.0	9.50	2.13	3.38	16.5	8.00	4.00	160 - 1600	360 - 2900
12.0	90.0	9.50	2.13	4.00	16.5	10.0	3.00	200 - 2000	400 - 3600
14.0	90.0	9.50	2.13	4.75	28.0	11.0	2.00	260 - 2600	520 - 4700
16.0	105	12.0	2.63	5.50	28.0	13.0	5.00	300 - 3800	600 - 6800
18.0	105	12.0	2.63	6.00	30.0	16.0	3.00	400 - 4600	800 - 8300
20.0	105	12.0	2.63	7.00	33.0	16.0	2.00	550 - 5600	1100 - 10000
24.0	105	12.0	2.63	8.00	36.0	16.0	1.00	800 - 8500	1600 - 15000
30.0	115	12.0	2.63	10.0	45.0	16.0	1.00	1200 - 12000	2400 - 21000
36.0	350	18.1	4.38	12.0	54.0	25.3	*	1500 - 16000	3000 - 29000
42.0	350	18.1	4.38	14.0	60.0	25.3	*	2100 - 22000	4200 - 40000
48.0	580	20.0	4.50	16.0	72.0	38.4	*	2700 - 28000	5400 - 50000
54.0	580	20.0	4.50	18.0	80.0	38.4	*	3400 - 35000	6800 - 63000
60.0	580	20.0	4.50	20.0	90.0	38.4	*	4200 - 42000	8400 - 75000
66.0	580	20.0	4.50	22.0	96.0	38.4	*	5000 - 50000	10000 - 90000
72.0	580	20.0	4.50	24.0	108	38.4	*	6000 - 60000	12000 - 100000

