



FloCat-W Series Cast Iron Turbine Meters

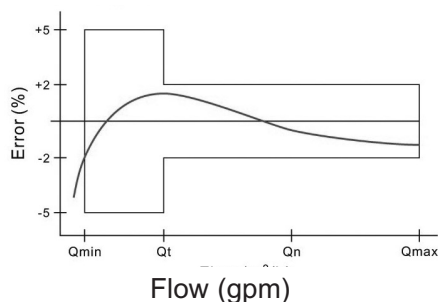


FloCat-W Turbine Meters are horizontal Woltman type water meters designed for accurate, economical reading of medium-to-high flow rates with minimal pressure loss. Rugged cast iron meter bodies are epoxy-coated inside and outside. The turbine drives a vertical impeller in direct proportion to the water flow. The impeller is magnetically coupled to the register, which contains a removable dry contact reed switch pulse output and does not require power.

Main Technical Data

Nominal diameter	DN		200 - 2"	300 - 3"	400 - 4"	600 - 6"	800 - 8"
Maximum flow rate	US gpm	Qmax	132	352	528	1320	2200
Nominal flow rate	US gpm	Qn	66	176	264	660	1100
Transition flow rate	US gpm	Qt	13.2	35.2	52.8	132	220
Minimum flow rate	US gpm	Qmin	2	5.3	8	20	33
Minimum reading	US gallon		1	1	1	1	10
Minimum graduation	US gallon		1	1	1	1	10
Pressure Drop @ Max Flow			0.75 psi	1.3 psi	1.45 psi	1.45 psi	1.5 psi

Accuracy Curve



Specifications

Temperature	105° F (40° C) max	
Pressure	232 psi max	
Materials	Body	Cast iron, Epoxy coated
	Internals	Eng.thermoplastic & Tungsten Shaft
	Drive Magnet	Alnico
Accuracy	+/- 2% of reading (above Transition Qt)	
Sensor	Reed switch	Totalizer only
Maximum Current	20 mA	n/a
Maximum Voltage	24 Vdc or Vac	n/a
Cable Length	12' (4m) std 2000' max run	n/a
Technical Data	Conforms to ISO 4064 Class B Std.	

Model Codes - How to Order

FloCat - W - 400 - R/100G

Examples: FloCat-W-400-R/100G is a 4" meter with a pulse output (reed switch) sensor with a pulse rate of 100 gallons/pulse
FloCat-W-300 is a 3" meter with totalizer only

Size

200 = 2"
300 = 3"
400 = 4"
600 = 6"
800 = 8"

Pulse Rate (if applicable)

R/100G = 100 gal/pulse 2",3",4"
R/1000G = 1000 gal/pulse
2",3",4",6",8"
R/10,000G = 10,000 gal/pulse 6",8"
Totalizer only meter would have nothing after the size designation