

ACS-W Series Cast Iron Turbine Meters

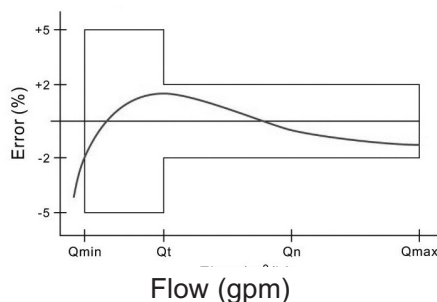


ACS-W Turbine Meters are horizontal Woltman type water meters designed for accurate, economical reading of medium-to-high flow rates with minimal pressure loss. Rugged cast iron meter bodies are epoxy-coated inside and outside. The turbine drives a vertical impeller in direct proportion to the water 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	Q _{max}		132	352	528	1320	2200
Nominal flow rate US gpm	Q _n		66	176	264	660	1100
Transition flow rate US gpm	Q _t		13.2	35.2	52.8	132	220
Minimum flow rate US gpm	Q _{min}		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 Q _t)
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

ACS - W - 400 - R/100G

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