

ACS Series Multi-Jet Cold Water Meters Plastic Body

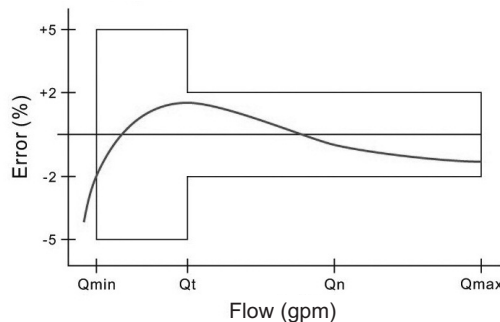
ACS Series water meters use the widely accepted multi-jet principle, as a gear train drives the register totalizer dials. For pulse output meters, a reed switch sensor is attached to the outside of the lens and detects a magnet arm that has replaced one of the dial pointers. The reed switch output is a dry contact closure and does not require power.



Main Technical Data

Nominal diameter	DN		062 - 1/2"	075 - 3/4"	100 - 1"	150 - 1 1/2"
Maximum flow rate	US gpm	Qmax	20	20	50	88
Nominal flow rate	US gpm	Qn	10	10	25	44
Transition flow rate	US gpm	Qt	1	1	3	3.5
Minimum flow rate	US gpm	Qmin	0.25	0.25	0.75	0.88
Minimum reading	US gallon		0.01	0.01	0.1	0.1
Minimum graduation	US gallon		0.005	0.005	0.1	0.1

Accuracy Curve



Specifications

Temperature		105° F (40° C) max
Pressure		150 psi operating
Materials	Body	FRP-Reinforced polyamide
	Couplings	Brass couplings (Std) Lead Free EcoBrass (Opt)
	Internals	Engineered thermoplastic
Magnet		Alnico
Accuracy		+/- 1.5% of reading
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

Model Codes - How to Order

ACS - NM - 075 - R/10P

Examples: ACS-NM-075-R/10G is a 3/4" meter with a pulse output (reed switch) sensor with a pulse rate of 10 gallons/pulse
ACS-NM-100 is a 1" meter with totalizer only

Size

062 = 1/2"
075 = 3/4"
100 = 1"
150 = 1 1/2"

Pulse Rate (if applicable)

R/20P = 20 pulse/gal only in 1/2" & 3/4"
R/10P = 10 pulse/gal only in 1/2" & 3/4"
R/4P = 4 pulse/gal
R/2P = 2 pulse/gal
R/1G = 1 pulse/gal
R/5G = 5 gal/pulse
R/10G = 10 gal/pulse
R/50G = 50 gal/pulse
R/100G = 100 gal/pulse
Totalizer only meter would have nothing after the size designation