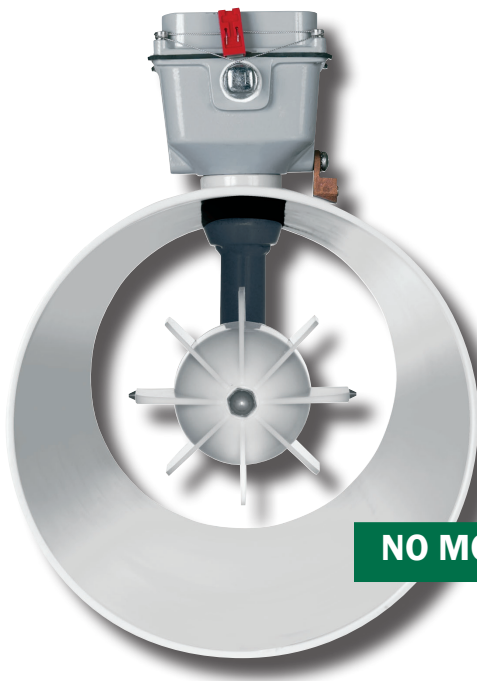


FEATURES

- No moving parts
- Easy installation
- Built-in outputs for telemetry
- Tamper evident seal
- Built in rate & totalizer

APPLICATIONS

- Irrigation metering
- Center pivot monitoring
- Fertigation control



NO MOVING PARTS



GENERAL INFORMATION

The AG702 is a tube-type electromagnetic flowmeter for use in irrigation applications in 6" and 8" pipe. With **no moving parts**, these meters are resistant to wear and there are no bearings or propellers to wear out.

The standard AG702 is battery powered. Where an external power source is available, the AG702 can be optionally converted to 7-32 Vdc, with the batteries then serving to maintain continuous operation in case of power failure.

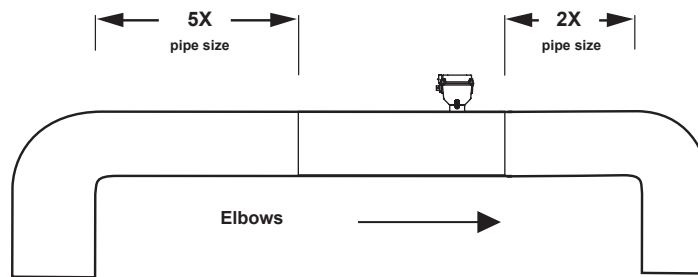
The meter comes with built-in pulse output (requires optional output cable) for data logging or telemetry. Several pulse rates are available. An internal data logger is also available for secure flow logging (-127). A Seametrics FT420W indicator can be added

if remote rate/total reading is desired, or an A055W if a 4-20 mA (analog) signal is required.

The AG702 has a seal wire to protect against unauthorized access. The optional cable can be factory- or field-installed for applications where external power is available and/or pulse output is needed.

In fertigation applications, the meter should be installed upstream of the chemical injection point or enough downstream to allow thorough mixing of fluids ahead of the meter (see *Tech Bulletin on Seametrics website Downloads page*).

MINIMUM STRAIGHT PIPE REQUIREMENT



SPECIFICATIONS

Pipe Size	6" and 8" (Additional sizes under development)	
Meter Weight	6" = 23.2 lbs. (10.5 kg) 8" = 33 lbs. (15 kg)	
Pressure	150 psi (10.3 bar) working pressure	
Temperature	Operating	10° to 130° F (-12° to 54° C)
	Non-Operating	-40° to 158° F (-40° to 70° C)
Accuracy	+/-2% at 100% to 10% of reading	
Materials	Body	Powder-coated steel
	Electronics Housing	Aluminum, powder-coated
	Electrodes	316 Stainless
Display	Digits	Rate: 5
	Units	Total: 8
Security	Cross-drilled screws and tamper-evident seal	
Power	2 Lithium 3.6V "D" batteries, replaceable, 2-5 year life (depending on usage)	
	With external power option (uses 7-32 Vdc, 30 mA), Lithium batteries serve as backup in power failure (10 year life)	
Pulse Output (with optional cable)	Current sinking pulse, opto-isolated, 32 Vdc max, 10 mA max	
Empty Pipe Detection	Hardware/software, conductivity-based	

*Specifications subject to change. Please consult our website for the most current data (www.seametrics.com).

**1 Miner's Inch = 1.2 CFM

HOW TO ORDER

MODEL	SIZE	OPTIONS	PULSE RATE (With Option -11)	UNITS		TOTAL	ORDER
				RATE	ORDER		
AG702	6" = -600	Factory-Installed Power/ Output Cable, 6m (20 ft) = -11/6	10 Units*/Pulse = -PxX 100 Units*/Pulse = -PxH 1000 Units*/Pulse = -PxK High Frequency = Default	Gal/Min	= GPM	Gal	= G
	8" = -800			Liter/Min	= LPM	Gal x 1000	= GT
		Factory-Installed Power/ Output Cable, 15m (50 ft) = -11/15		Cu Ft/Min	= CFM	Liter	= L
				Cu Meter/Hr	= CMH	Liter x 1000	= LT
		Data Logger (internal) = -127		Gal/Sec	= GPS	Mega Liters	= ML
				Liters/Sec	= LPS	Cubic Meters	= CM
				Cu Ft/Sec	= CFS	Cu Met x 1000	= CMT
				Miner's In**	= MI	Acre Feet	= AF
				Cu Met/Min	= CMM	Cubic Feet	= CF
						Cu Feet x 1000	= CFT
						Million Gal	= MG
						Miner's Inch Day	= MID
						Acre Inch	= AI

(*Units = Gal or Liter depending on Rate/Total unit selection)

Consult factory for additional units

**1 miner's inch = 1.2 CFM

Any rate selection can be combined with any total selection

ACCESSORIES

Remote 4-20 mA (analog) signal = AO55W	Display Cover = 31860	External Power Supply = Consult Factory
Remote Rate and Total Indicator = FT420W	Weather Guard = 31388	Dual Power Supply, 115 Vac, 12/24 Vdc = PC42
	Solar Panel Kit, 5 Watt = RSP5	Post-Factory Power/Output Cable, 6m (20 ft) = DC30
	Data Logger (remote mount) = DL76W	Post-Factory Power/Output Cable, 15m (50 ft) = DC35