

# TM SERIES WATER FLOW METERS



**FLOMEC® TM Series Water Flow Meters** are accurate, economical and designed to last. Choose TM Water Flow Meters for water processing and irrigation applications:

- Meets Schedule 80 PVC specifications
- Standard low-profile display
- Seven sizes with three fitting types available
- Flow rates from 1 to 600 gallons per minute (3.8 to 2271 L/min)

## FEATURES / BENEFITS

- Easy to install
- 11 preprogrammed engineering units plus 1 custom option: gallon, litre, imperial gallon, quart, ounce, acre-foot, millilitre, cubic foot, cubic centimetre, cubic metre, barrel
- Indicates Batch, Cumulative Totals and Rate of Flow
- Available in Spigot, NPT, BSP, and 150# ANSI Flange (see fitting type table)
- Non-volatile totals means amounts are retained when batteries are replaced or power is lost
- Alkaline AAA battery life: 2 years

## APPLICATIONS (Typical application but not limited to)

- OEM water treatment equipment / skids
- Sub-metering of facility water usage
- Waste water treatment equipment
- Irrigation, Greenhouse and Growhouse
- Plant process water
- Water based cooling systems
- Chemical feed systems
- Metering clean fluids

## APPROVALS / WARRANTY



## SPECIFICATIONS

<b>Technology:</b>	Turbine	
<b>Line Size:</b>	½ in., ¾ in., 1 in., 1½ in., 2 in., 3 in., 4 in.	
<b>Accuracy (% of Reading):</b>	± 3.0%	
<b>Material Housing:</b>	Schedule 80 PVC	
<b>Fitting Type:</b>	Schedule 80 Spigot (Pipe) End (½ in. through 4 in.)	
	NPT (Female) (½ in. through 4 in.)	
	BSP (Female) (1 in., 1½ in., & 2 in. flow meters only)	
	150# ANSI Flange (3 & 4 in. flow meters only)	
<b>Flow Range:</b>	(05) ½ in.	1-10 GPM (3.8-38 L/min)
	(07) ¾ in.	2-20 GPM (7.6-76 L/min)
	(10) 1 in.	5-50 GPM (19-190 L/min)
	(15) 1½ in.	10-100 GPM (38-380 L/min)
	(20) 2 in.	20-200 GPM (76-760 L/min)
	(30) 3 in.	40-400 GPM (151-1514 L/min)
	(40) 4 in.	60-600 GPM (227-2271 L/min)
<b>Pressure Rating (½ - 2 in.):</b>	Spigot/NPT	225 psi (15.3 bar) @ 73°F (23°C)
	BSP	150 psi (10.3 bar) @ 73°F (23°C)
<b>Pressure Rating (3 - 4 in.):</b>	Spigot/NPT	225 psi (15.3 bar) @ 73°F (23°C)
	ANSI	135 psi (9.1 bar) @ 73°F (23°C)
<b>Operating Temperature:</b>	+32°F to +140°F (0°C to +60°C)**	
<b>Typical K-Factor:</b>	(05) ½ in.	2,500 PPG (660 Pulses/L)
	(07) ¾ in.	1,100 PPG (291 Pulses/L)
	(10) 1 in.	565 PPG (149 Pulses/L)
	(15) 1½ in.	215 PPG (57 Pulses/L)
	(20) 2 in.	100 PPG (26 Pulses/L)
	(30) 3 in.	43 PPG (11 Pulses/L)
	(40) 4 in.	17 PPG (4.5 Pulses/L)
<b>Wetted Materials (½ - 2 in.):</b>	Housing:	PVC
	Bearings:	96% Alumina Ceramic
	Shaft:	Tungsten Carbide
	Rotor:	PVDF
	Rings:	316 Stainless Steel
<b>Wetted Materials (3 - 4 in.):</b>	Housing:	PVC
	Bearings:	PEEK
	Shaft & Thrust Washers:	Stainless Steel
	Rotor & Nose Cone:	Acetal
	Signal Generator:	Ferrite
<b>Calibration Report:</b>	N.I.S.T. – Certification available	

\*\*PVC pressure rating will incrementally decrease above 73°F (23°C).



Wichita · Sydney

GREAT PLAINS INDUSTRIES



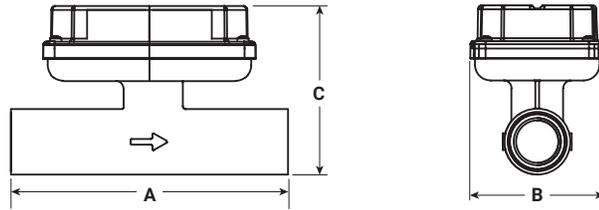
# TM SERIES WATER FLOW METERS

## DIMENSIONS

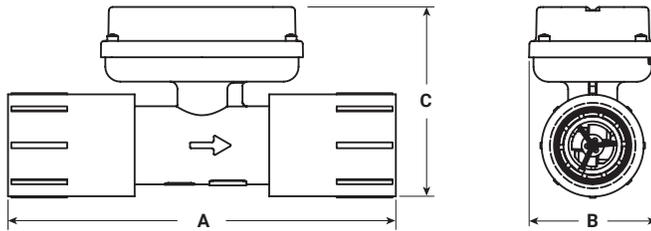
Flow Meter Size & Fitting		Dimension "A"	Dimension "B"	Dimension "C"
05	Spigot	4.3 in. (10.9 cm)	2.1 in. (5.3 cm)	2.5 in. (6.4 cm)
	NPT	6.0 in. (15.2 cm)	2.1 in. (5.3 cm)	2.7 in. (6.9 cm)
07	Spigot	4.4 in. (11.2 cm)	2.1 in. (5.3 cm)	2.7 in. (6.9 cm)
	NPT	6.1 in. (15.5 cm)	2.1 in. (5.3 cm)	2.9 in. (7.4 cm)
10	Spigot	4.5 in. (11.4 cm)	2.1 in. (5.3 cm)	2.9 in. (7.4 cm)
	NPT/ BSP	6.5 in. (16.5 cm)	2.1 in. (5.3 cm)	3.1 in. (7.9 cm)
15	Spigot	5.4 in. (13.7 cm)	2.1 in. (5.3 cm)	3.6 in. (9.1 cm)
	NPT/ BSP	7.6 in. (19.3 cm)	2.3 in. (5.8 cm)	3.8 in. (9.7 cm)
20	Spigot	5.5 in. (14 cm)	2.4 in. (6.1 cm)	4.1 in. (10.4 cm)
	NPT/ BSP	7.9 in. (20.1 cm)	3.5 in. (8.9 cm)	4.4 in. (11.2 cm)
30	Spigot	11.5 in. (29.2 cm)	3.5 in. (8.9 cm)	5.3 in. (13.6 cm)
	NPT	14.7 in. (37.3 cm)	4.4 in. (11.2 cm)	5.8 in. (14.7 cm)
	ANSI Flange	12.0 in. (30.5 cm)	7.5 in. (19.1 cm)	7.5 in. (19.1 cm)
40	Spigot	13.5 in. (34.3 cm)	4.5 in. (11.4 cm)	6.3 in. (16.1 cm)
	NPT	17.0 in. (43.2 cm)	5.9 in. (15 cm)	6.7 in. (17 cm)
	ANSI Flange	14.0 in. (35.6 cm)	9.0 in. (22.9 cm)	9.0 in. (22.9 cm)

Length guidelines are estimates; actual length can vary up to  $\pm \frac{1}{2}$  in. (1.3 cm).  
4-20mA Module adds 0.90 in. (2.3 cm) to height.

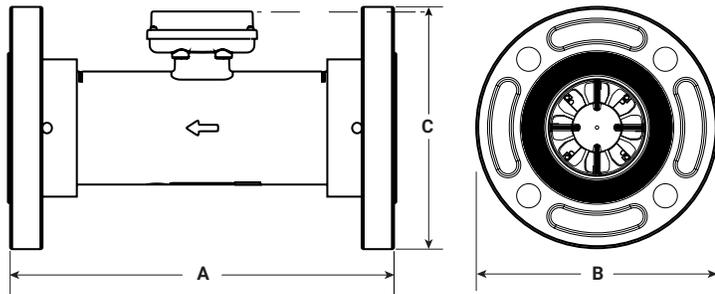
$\frac{1}{2}$  in. through 4 in.



$\frac{1}{2}$  in. through 4 in.



3 in. & 4 in.



## ACCESSORIES

**113275-10\***

FM Approved Remote Kit



**125100-10**

4-20mA Module/Pulse  
Output Module



**125260-02**

90° Display Adapter Kit



\*Will not make flow meter FM Approved