

# TM SERIES (WATER METERS)



**FLOMEC® TM Series Water Meters** are accurate, economical and designed to last. Choose TM Water 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)

## SPECIFICATIONS

<b>Fitting Type:</b>	Schedule 80 Spigot (Pipe) End		
	NPT (Female)		
	BSP (Female) (1 in., 1-1/2 in., & 2 in. meters only)		
	150# ANSI Flange or DIN 100 Flange (3 in. & 4 in. meters only)		
<b>Meter Sizes Available:</b>	½ in., ¾ in., 1 in., 1-½ in., 2 in., 3 in., 4 in.		
<b>Flow Range:</b>	½ in. (05)	1 - 10 GPM	(3.8 - 38 L/min)
	¾ in. (07)	2 - 20 GPM	(7.6 - 76 L/min)
	1 in. (10)	5 - 50 GPM	(19 - 190 L/min)
	1-½ in. (15)	10 - 100 GPM	(38 - 380 L/min)
	2 in. (20)	20 - 200 GPM	(76 - 760 L/min)
	3 in. (30)	40 - 400 GPM	(151 - 1514 L/min)
	4 in. (40)	60 - 600 GPM	(227 - 2271 L/min)
<b>Accuracy (% of Reading):</b>	± 3.0%		
<b>Pressure Rating (½ - 2 in.):</b>	225 psi (15.3 bar) @ 73° F (23° C)		
<b>BSP</b>	150 psi (10.3 bar) @ 73° F (23° C)		
<b>Pressure Rating (3 - 4 in.):</b>	225 psi (15.3 bar) @ 73° F (23° C)		
<b>DIN</b>	135 psi (9.1 bar) @ 73° F (23° C)		
<b>For CE Applications</b>	135 psi (9.1 bar) @ 73° F (23° C)		
<b>Operating Temperature Range:</b>	+32° F to +140° F (0° C to +60° C)**		
<b>Typical K-Factor:</b>	½ in. (05)	2,500 PPG (660 Pulses/L)	
	¾ in. (07)	1,100 PPG (291 Pulses/L)	
	1 in. (10)	565 PPG (149 Pulses/L)	
	1-½ in. (15)	215 PPG (57 Pulses/L)	
	2 in. (20)	100 PPG (26 Pulses/L)	
	3 in. (30)	43 PPG (11 Pulses/L)	
	4 in. (40)	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 Certificate:</b>	N.I.S.T. - Certification available		

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

## FEATURES / BENEFITS

- Easy to install
- Displays in gallons, litres and cubic feet
- Indicates Batch, Cumulative Totals and Rate of Flow
- Available in Spigot, NPT, BSP (1 in., 1-½ in. and 2 in. only), 150# ANSI Flange (3 in. and 4 in. only) and DIN Flange (3 in. and 4 in. only) fittings
- Non-volatile totals means amounts are retained when batteries are replaced or power is lost
- Alkaline battery life: 2 years

## APPLICATIONS

- OEM water treatment equipment / skids
- Sub-metering of facility water usage
- Waste water treatment equipment
- Irrigation
- Batching
- Plant process water
- Water based cooling systems
- Chemical feed systems
- Monitoring clean fluids
- Cooling towers
- Blending

## CERTIFICATIONS



Wichita · Sydney

GREAT PLAINS INDUSTRIES



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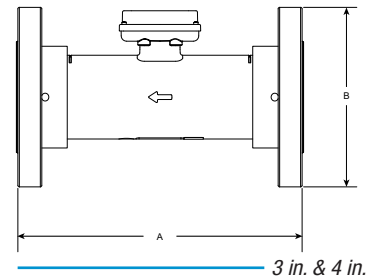
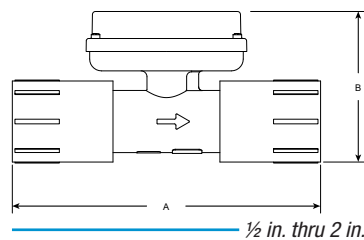
## DIMENSIONS

Meter Size & Fitting	Length	Height	Width
05 Spigot	4.3 in. (109 mm)	2.5 in. (63 mm)	2.1 in. (53 mm)
05 NPT	6.0 in. (152 mm)	2.7 in. (68 mm)	2.1 in. (53 mm)
07 Spigot	4.4 in. (112 mm)	2.7 in. (68 mm)	2.1 in. (53 mm)
07 NPT	6.1 in. (155 mm)	2.9 in. (73 mm)	2.1 in. (53 mm)
10 Spigot	4.5 in. (114 mm)	2.9 in. (73 mm)	2.1 in. (53 mm)
10 NPT / BSP	6.5 in. (165 mm)	3.1 in. (79 mm)	2.1 in. (53 mm)
15 Spigot	5.4 in. (137 mm)	3.6 in. (91 mm)	2.1 in. (53 mm)
15 NPT / BSP	7.6 in. (193 mm)	3.8 in. (96 mm)	2.3 in. (58 mm)

Meter Size & Fitting	Length	Height	Width
20 Spigot	5.5 in. (140 mm)	4.1 in. (104 mm)	2.4 in. (61 mm)
20 NPT / BSP	7.9 in. (200 mm)	4.4 in. (112 mm)	3.5 in. (89 mm)
30 Spigot	11.5 in. (292 mm)	5.34 in. (136 mm)	3.5 in. (89 mm)
40 Spigot	13.5 in. (343 mm)	6.34 in. (161 mm)	4.5 in. (114 mm)

Meter Size & Fitting	Length	Height	Width
30 NPT	14.7 in. (373 mm)	5.78 in. (147 mm)	4.37 in. (111 mm)
40 NPT	17.0 in. (432 mm)	6.7 in. (170 mm)	5.87 in. (149 mm)
30 ANSI Flange	12.0 in. (305 mm)	7.5 in. (190 mm)	7.5 in. (190 mm)
40 ANSI Flange	14.0 in. (356 mm)	9.0 in. (229 mm)	9.0 in. (229 mm)

Length guidelines are estimates; actual length can vary up to  $\pm \frac{1}{2}$  in. (13 mm).  
P9 & 42 Electronics adds 0.90 in. (23 mm) to height.



## ACCESSORIES

Part No.	Description
113275-10	FM Approved Remote Kit - Q9 Display (will not make meter FM Approved)
125260-02	90° Display Adapter Kit - Q9 Display
125100-10	4-20Ma / Pulse out put module