



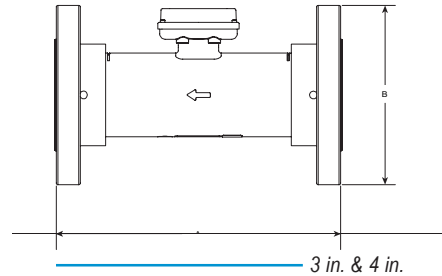
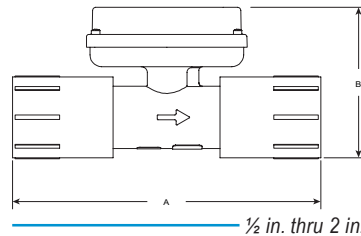
## DIMENSIONS

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  $\pm 1/2$  in. (13 mm). P9 & 42 Electronics adds 0.90 in. (23 mm) to height.



## 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>	1/2 in., 3/4 in., 1 in., 1-1/2 in., 2 in., 3 in., 4 in.	
<b>Flow Range:</b>	1/2 in. (05)	1 - 10 GPM (3.8 - 38 L/min)
	3/4 in. (07)	2 - 20 GPM (7.6 - 76 L/min)
	1 in. (10)	5 - 50 GPM (19 - 190 L/min)
	1-1/2 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>	$\pm 3.0\%$	
<b>Pressure Rating (1/2 - 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>	1/2 in. (05)	2,500 PPG (660 Pulses/L)
	3/4 in. (07)	1,100 PPG (291 Pulses/L)
	1 in. (10)	565 PPG (149 Pulses/L)
	1-1/2 in. (15)	215 PPG (57 Pulses/L)
	2 in. (20)	100 PPG (26 Pulses/L)
	3 in. (30)	43 PPG (11 Pulses/L)
<b>Wetted Materials (1/2 - 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:
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 73o F (23o C).

## ELECTRONICS OPTIONS

**Q9** = Standard Local Display with 2 Totals and Rate of Flow

**Q1** = The Standard Q9 Display, turned 90° for a vertically installed meter body

**P9** = Pulse Output Module installed between the local display and the meter body

- Provides a Scaled NPN Open Collector Pulse
- Can provide External Power to the local display
- Comes with 10 ft. of installed cable

**42** = 4-20 mA Module installed between the local display and the meter body

- Provides a 4-20 mA signal
- Provides a Scaled NPN Open Collector Pulse
- Comes with 10 feet of installed cable

**PO** = Pulse Output Module installed in place of the display (blind meter)

- Provides an Unscaled NPN Open Collector Pulse

**X9** = Replacement Q9 Computer Display for a meter body that already has a Q9 display

**R9** = Replacement Q9 Computer Display for a meter body that has an old Q9 display

- Come with the extra parts required to retrofit a Q9 display in place of a Q9 display

## ACCESSORIES

Part No.	Description
113275-10	FM Approved Remote Kit – Q9 Display (will not make meter FM Approved)
125260-02	90o Display Adapter Kit – Q9 Display

# B.E.S. FLOWMETERS

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## CERTIFICATIONS



NSF certification for 3 & 4 in. sizes only

IND-1043-TM Rev B 10/2020