



The Sponsler Sanitary Series Precision Turbine Flowmeters . . .

are designed to handle a wide range of food, beverage and pharmaceutical applications. Available in sizes from 1/2" to 3", these devices can handle from 0.5 to 650 US GPM flowrates in eleven overlapping ranges.

Our unique design allows for in line sanitation or quick disassembly and assembly with no change in linearity, repeatabil-

ity or "K" factor. Materials of construction are 300 series stainless steel, polished to eliminate cracks and crevices.

Typical applications include accurate rate indication and totalization for a variety of blending, batching, filling and process control. Sanitary Series interfaces with all Sponsler Electronic devices.



Specifications

- **Linearity:** +/- 0.5% standard
+/- 0.25% optional
- **Repeatability:** +/- 0.1% or better over nominal rated flow range
- **Temperature:** -100°F to +450°F
- **Materials:** Standard Precision Sanitary Flowmeters are constructed of 300 Series stainless steel. (Other materials are available to satisfy most applications, consult factory)
- **Electrical Output:** A minimum of 30 mV peak to peak at the bottom of the nominal flow range.
- **Pressure Drop:** 4 psi at nominal rated flow range.
- **Calibration:** Furnished with standard 10 point water calibration. (Special calibrations available)
- **Flow Ranges:** From 0.25 to 650 GPM.

Features

- Special food grade Teflon or Carbide sleeve bearings standard
- Clean in place with low pressure steam
- Built to Wisconsin Dairy Association Standards
- Can be installed vertically or horizontally
- Optional Endfittings
- Sizes to 3 inches – Custom and standard designs
- Manufactured in the USA

PRECISION TURBINE FLOWMETERS

Sizing Chart

NOMINAL METER SIZE (INCHES)	NOMINAL FLOW RANGE				METER FACTOR K PULSES U.S. GAL.	STANDARD ENDFITTING	OPTIONAL ENDFITTING
	MINIMUM REPEAT	MINIMUM LINEAR	NOMINAL MAXIMUM	EXTENDED MAXIMUM			
1/4	0.25	0.5	3.5	3.5	15000	3/4"	1 1/2", 2"
3/8	0.3	0.75	5.0	6.0	6000	3/4"	1 1/2", 2"
1/2	0.6	1.25	9.5	12	3160	3/4"	1 1/2", 2"
5/8	0.9	1.75	16	20	1875	3/4"	1 1/2", 2"
3/4	1.5	2.50	29	30	1035	1 1/2"	2"
1	2.0	4.0	60	75	500	1 1/2"	2"
1 1/4	3.0	6.0	93	115	322	1 1/2"	2"
1 1/2	5.0	8.0	130	175	230	1 1/2"	2"
2	11	15	225	275	133	2"	2 1/2"
2 1/2	15	25	400	500	75	2 1/2"	3"
3	20	40	650	800	46.1	3"	NONE

Installation Dimensions

SIZE	DIMENSIONS (INCHES)		END CONNECTIONS
	A	B	C
1/4"-1/2"	4.000	.984	3/4"
5/8"	4.000	.984	3/4"
3/4"	5.000	1.984	1 1/2"
1"	5.000	1.984	1 1/2"
1 1/4"	5.000	1.984	1 1/2"
1 1/2"	5.000	1.984	1 1/2"
2"	6.000	2.516	2"
2 1/2"	7.500	3.047	2 1/2"
3"	9.500	3.579	3"

Dimensions are in inches

