



AW Company

# TA-3 Series Sanitary Turbine Flowmeter



## Engineering Specifications:

- Meets 3-A Sanitary Standards
- Accuracy  $\pm 1\%$  of reading
- Pressure rating up to 1000 PSI
- NEMA 6 Connector
- Nine flow ranges available
- 316L Stainless Steel bodies
- Flow ranges 0.6 to 400 GPM
- Amplified pulse output

## What is a TA-3 Turbine flow meter?

The TA-3 series of turbine flow meters are designed to meet the exacting demands of the food, biotechnology, pharmaceutical and other sanitary industries. Registered with 3-A Sanitary Standards #28-03, TA-3 flow meters feature a rugged, accurate design and utilize the latest advances in polishing technology on all internal components to minimize potential sites for bacterial growth. TA-3 flow meters feature 316 stainless steel and are recommended for use in clean-in-place (CIP) and sterilize-in-place (SIP) installations. Each meter is fitted with a NEMA-6 sensor that produces an amplified pulse output. The sensor and molded cable withstand repeated washdowns and provide long-term protection from moisture. Options include analog outputs and local indication of flow rate and flow total.



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## Meter Technical Data

### Materials of Construction:

**Body:** 316L Stainless Steel  
**Rotor:** Nickel Plated Stainless Steel  
**Rotor Shaft:** 316L Stainless Steel  
**Bushings:** Nickel Bindery Tungsten Carbide

### Technical Specifications:

**Accuracy:**  $\pm 1\%$  of reading  
**Turndown Ratio:** 10:1  
**Repeatability:**  $\pm 0.1\%$   
**Operating Temperature:** 350° F max.  
**Pressure Rating:** up to 1000 psi - based on Tri-Clamp sanitary connections

Part Number	Flow Range - GPM	Pulses per Gallon	Meter Size	Clamp Size
TA3-75-375	0.6 to 3	20,000	3/8"	3/4"
TA3-75-500	0.75 to 7.5	13,000	1/2"	3/4"
TA3-75-750	2 to 15	2,750	1/2"	3/4"
TA3-150-500	0.75 - 7.5	13,000	1/2"	1-1/2"
TA3-150-750	2 to 15	2,750	1/2"	1-1/2"
TA3-150-875	3 to 30	2,600	7/8"	1-1/2"
TA3-150-100	5 to 50	870	1"	1-1/2"
TA3-150-150	15 to 180	330	1-1/2"	1-1/2"
TA3-250-200	40 to 400	50	2"	2"

Sanitary Clamp Rated at 250 PSI at 300° F

Products may be subject to change without notice - Contact factory for current information