

TS Series Tri-Clamp Turbine Flow Meter

Common Uses

The TS Series Tri-Clamp turbine flow meters are specifically designed for industries where regulations are in place requiring flow meters to meet accuracy requirements and allow for ease of maintenance, cleaning, and installation.

Typical industries include:

- Food & Beverage
- Brewing & Distilling
- Pharmaceutical Processing
- Cosmetics



Technical Specifications

| General Meter Data | |
|-----------------------------|--|
| 6 Flow Ranges | .75 up to 600 GPM (over entire product series - see page 2 for meter data by size) |
| Measuring Accuracy | ±0.5% over standard range |
| Repeatability | ±0.1% over standard range |
| Max. Operating Pressure | 1300 (see page 2 for meter data by size) |
| End Connections | Sanitary Tri-clamp |
| Turndown | 10:1 |
| Operating Temperature Range | -100°F to 450°F (consult factory for other options) |

Meter Materials of Construction

| | |
|----------|-------------------------------------|
| Body | 316 stainless steel |
| Rotor | 17-4 PH Stainless Steel |
| Bearings | Hard Carbon Composite or Rulon® 123 |



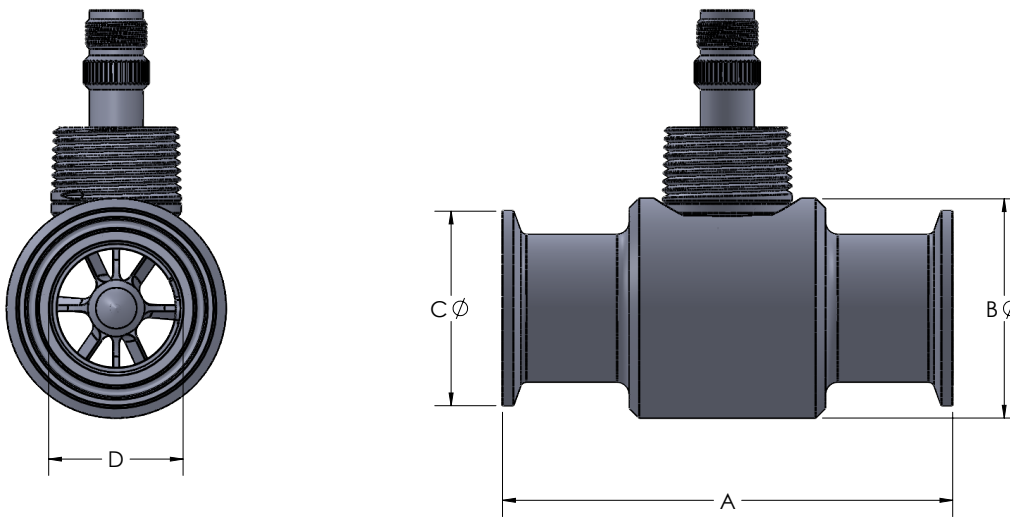
Products may be subject to change without notice - Contact factory for the most up-to-date product information.

TS Series Tri-Clamp Turbine Flow Meter

Meter Data - Sizes

| Part Number | Port Size & Type | Flow Range (GPM) | Flow Range (LPM) | K-Factor | Pressure Rating (PSI) | Filtration (Mesh) | Weight (Lbs) |
|-------------|------------------|------------------|------------------|----------|-----------------------|-------------------|--------------|
| TS-1.5-7.5 | 1-1/2" Sanitary | 0.75-7.5 | 2.84-28.39 | 11,500 | 1000 | 60x60 | 8 |
| TS-1.5-50 | 1-1/2" Sanitary | 5-50 | 18.93-189.93 | 950 | 1000 | 60x60 | 8 |
| TS-1.5-180 | 1-1/2" Sanitary | 15-180 | 56.8-681.3 | 325 | 990 | 20x20 | 7 |
| TS-2-180 | 2" Sanitary | 15-180 | 56.8-681.3 | 325 | 1300 | 20x20 | 7 |
| TS-2.5-400 | 2-1/2" Sanitary | 40-400 | 151-1514 | 46 | 200 | 20x20 | 7 |
| TS-3-600 | 3" Sanitary | 60-600 | 227-2270 | 50 | 1000 | 8x8 | 12 |

Meter Dimensions



| Part Number | A (OAL) | B (OD) | C (Flange Dia.) | D (Inlet Dia.) |
|-------------|---------|--------|-----------------|----------------|
| TS-1.5-7.5 | 4" | 2.45" | 1.98" | 1.37" |
| TS-1.5-50 | 5" | 2.45" | 1.98" | 1.37" |
| TS-1.5-180 | 6" | 2.45" | 1.98" | 1.37" |
| TS-2-180 | 6" | 2.4" | 2.52" | 1.37" |
| TS-2.5-400 | 6" | 2.5" | 3.05" | 2.065" |
| TS-3-600 | 9.8" | 3.75" | 3.58" | 3.06" |



Compatible Electronics

| | |
|---------------------|---|
| Standard (included) | Pulse output |
| EDGE Sensor | Pulse, analog, or Modbus outputs |
| Digital Display | EX rated, flow rate & total, analog and pulse outputs |

End-of-Life Disposal:

At the end of its service life, this product and its associated electronics should **not be discarded with municipal solid waste**. We strongly recommend recycling the unit in accordance with **all applicable local, state, and federal regulations**. Electronic components may qualify as universal waste and should be handled through an appropriate recycling or collection program. Responsible recycling supports our commitment to environmental stewardship under **ISO 14001**.

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