

Turbine Flow Meter

TF200 Series - Wafer Style

Introduction

The TF200 is compatible with any ASME flanges. Its flange-less design makes it highly cost-effective while ensuring effortless installation and minimal maintenance. Engineered for long-term reliability, it offers an extended service life in demanding environments.

The meter can be equipped with a wide range of electronics for specific applications. Output options include pulse, linearized pulse, and 4...20 mA, as well as smart electronics featuring a digital display with 4...20 mA + alarm outputs, Exproof electronics as well.

Characteristics

Easy to installation.

High accuracy and repeatability

Cost effective

Long life time

Mates to various flanges



Specifications	
Measuring range	See below measuring range table for details.
Applicable medium	Liquids
Accuracy	1% of reading
Repeatability	0.1%
Pressure rating	Refer to flange pressure rating
Operating Temperature (Pickup with preamplifier)	-40...300°F (-40...150°C) See electronics' datasheet for high options
Materials	Body: 316L Stainless Steel Rotor: 316L / Duplex Stainless Steel Shaft: Tungsten Carbide Bearing: Tungsten Carbide Journal Bearing
Process connection	ASME B16.5 Flange (customer specify type and pressure rating)

Flow Range

Part Code	Flow Meter Size (inch)	Line Size (inch)	Flow Range		
			GPM	LPM	BPD
R0381	3/8"	1"	0.3...3	1.14...11.4	10...100
R0382		2"			
R0501	1/2"	1"	0.75...7.5	2.8...28	25...250
R0502		2"			
R0751	3/4"	1"	2...15	7.6...76	68...515
R0752		2"			
R1001	1"	1"	5...50	19...190	170...1,700
R1002		2"			
R1502	1-1/2"	2"	15...180	57...681	515...6,000
R2002	2"	2"	40...400	151...1510	1,300...13,000
R3003	3"	3"	60...600	227...2,270	2,100...21,000
R4004	4"	4"	120...1,200	454...4,540	4,100...41,000
R6006	6"	6"	250...2,500	946...9,460	8,600...86,000

Order Code

Example: TF200-R2002-P-FA150

1. Model

TF200- Wafer Style Turbine Flow Meter

2. Part Code

R2002 Select a part code from flow range table above to determine flow range.

3. Pickup Coil

- N None
 - P Magnetic pickup
 - A Magnetic pickup with preamplifier
- * Alternatively, refer to the electronics datasheet to select a transmitter with more output options.

4. End Fitting

Please specify flange type.
E.g. Raised face, Ring joint etc.
Customization available on request



Magnetic Pickup



Magnetic Pickup with Preamplifier

Electronics Options**S1000 Pickup Coils / Transmitters**

Amplified Pulse
Linearized 4...20mA Output

**DE500 Local Display**

Local Display
4...20mA + Alarms Output

**SA500 Pickup Coils**

Intrinsically Safe
Amplified Pulse

**SX500 Flow Transmitters**

Explosion-Proof
Modbus RS485



See electronics' datasheet for details.