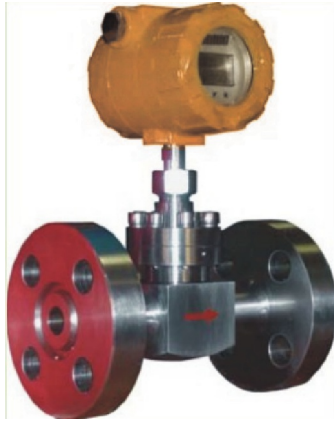




F7001 Tangential Turbine Flow Meter

VF7001-002.00-13/04



Description

F7001 Tangential Turbine Flow Meter is a Flow Meter measuring the flow of liquid in the tube. The Flow Meter is composed of four parts: body, impeller part, sensor, transmitter. Applied with advanced electron technology and special design, it remains high stability and disturbance proof ability. It can be applied in explosion situation. For local display, this flow meter is charged by innerlithium battery, which can work continuously for three years.

Features

- High pressure, various connections
- Compact structure
- Impeller part can be easily taken out from the meter body, thus it is convenient for the periodical maintenance
- Low power consumption
- Long-distance transmission
- Can withstand corrosion
- Local instant flow and total flow LCD display
- Preferred Measured Fluid: Water, wastewater, low viscosity oil, etc.

Specification

- Size: up to 12" (300mm)
- Nominal pressure (PN): up to 6090psi (420bar)
- Accuracy : $\pm 1\%$, $\pm 1.5\%$, $\pm 2.5\%$
- Working Temperature: -40 to 176° F (-40 to 80° C) and 32 to 302° (0 to 150° C)
- Ambient Temperature : -40 to 176° F (-40 to 80° C)
- Pressure Drop : For $1/4"$ to $2"$, the pressure drop < 1.45 psi
For $3"$ to $12"$, the pressure drop < 4.35 psi
- Output Signal: Standard pulse output or 4 to 20mA current output or RS-485 communication output

Application

It is widely used in petroleum, chemistry, metallurgy, and light industry, especially applied in measurement of low-viscosity liquid, such as water, sewage, oil water mixture, processed oil and edible oil.

※ The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.



F7001

Tangential Turbine Flow Meter



Model Selection

Model		1	2	3	4	5	6	7	8	Note
	Size	Structure	PN	Material	Protection	Temperature	Output Signal	Accuracy		
F7001	-									Tangential Turbine Flow Meter
	008									1/4"(8mm)
	015									1/2"(15mm)
	020									3/4"(20mm)
	025									1"(25mm)
	040									1 1/2"(40mm)
	050									2"(50mm)
	080									3"(80mm)
	100									4"(100mm)
	150									6"(150mm)
	200									8"(200mm)
	250									10"(250mm)
	300									12"(300mm)
	S									Straight Version
	C									Corner Version
			016							230psi(16bar)
			025							360psi(25bar)
			040							580psi(40bar)
			063							915psi(63bar)
			160							2320psi(160bar)
			250							3625psi(250bar)
			320							4640psi(320bar)
			420							6090psi(420bar)
			CS							Cast S Steel
			S4							304 Stainless Steel
			S6							316 Stainless Steel
			A							General Version
			B							Explosion proof Version
					1					-40 to 176 ° F(-40 to 80 ° C)
					2					32 to 302 ° F(0 to 150 ° C)
							F			Pulse output
							I			4 to 20mA current output
							R			RS-485
								10		Accuracy: ± 1.0%
								15		Accuracy: ± 1.5%
								25		Accuracy: ± 2.5%



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