

Vortex flow meter



Overview

Vortex flow meters are suitable for measuring steam as well as a variety of liquids and gases. As fluid moves across a vortex meter shedder bar, vortices form. The frequency of the vortices shedding is proportional to the fluid velocity.

Even for the steam flow rate, Vortex flow meters are the perfect choice. Pressure and Temperature compensation ensure measurement accuracy. When we use them to measure steam or gas flow in pipes with variable operating pressure and temperature.

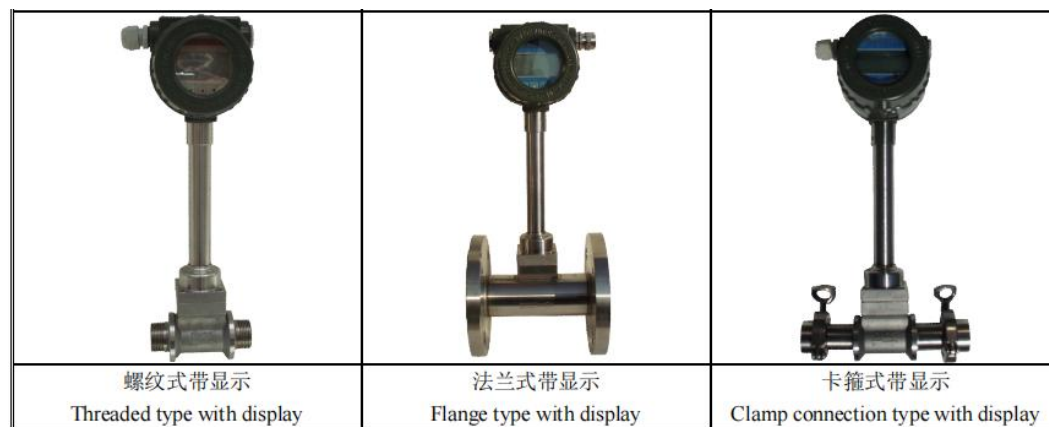
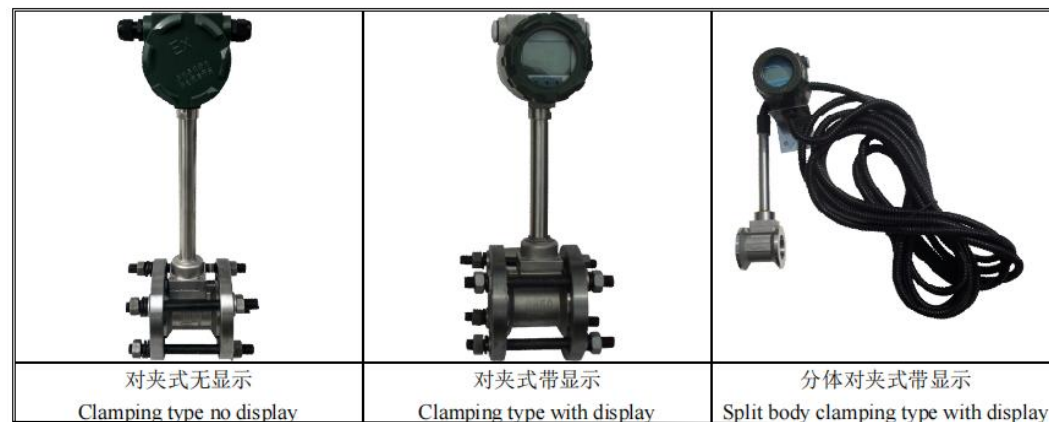
Technical Parameters

Measuring medium	Liquid, general gas, steam
Nominal diameter	Full tube type: DN15~DN300 Insertion type: DN200~DN2000 Threaded connection type: DN15~DN50 Clamp connection type: DN15~DN50

Medium temperature	Normal temperature: -40~100°C Medium temperature: -40~250°C High temperature: -40~320°C Ultra-high temperature: -40~350°C
Nominal pressure	1.6MPa, 2.5MPa, 4.0MPa
Accuracy	Full tube type: $\pm 1.5\%R$, $\pm 1.0\%R$. Consult and confirm. Insert type: $\pm 2.5\%R$, $\pm 1.5\%R$. Consult and confirm.
Power supply	+12VDC (three-wire pulse output) +24VDC (three-wire pulse output, two-wire 4-20mA output, four-wire RS485 communication) 3.6V lithium battery, dual power supply
Transmission distance	Three-wire pulse $\leq 300m$ Two-wire system 4-20mA $\leq 700m$ Four-wire RS485 communication $\leq 1200m$
Material	Clamping type: 304 SS, 316L, matching flange bolts and nuts: carbon steel, stainless steel; Flange type: 304 SS, 316L; Insertion type: probe rod 304SS, flange: carbon steel, SS
Protection level	IP65
Explosion-proof level	ExdIICT2~T6Gb; ExiaIICT2~T6Gb;
Environmental conditions	Temperature: -20°C~+55°C; Relative humidity: 5%~95%RH Atmospheric pressure: 86Kpa~106Kpa

Nominal diameter	Flow range		
	Liquid	Gas(steam)	Steam
DN15mm	0.3-3m3/h	2.8-12m3/h	14-60kg/h
DN20mm	1-7m3/h	6-30m3/h	30-150kg/h
DN25mm	1.6-10m3/h	9-55m3/h	45-275kg/h
DN32mm	2.1-15m3/h	15-130m3/h	75-650kg/h
DN40mm	2.5-25m3/h	22-200m3/h	0.11-1t/h
DN50mm	3.5-35m3/h	36-320m3/h	0.18-1.6t/h
DN65mm	6.5-68m3/h	50-480m3/h	0.25-2.4t/h
DN80mm	10-100m3/h	75-628m3/h	0.38-3t/h
DN100mm	15-150m3/h	130-1100m3/h	0.65-5.5t/h
DN125mm	27-275m3/h	200-1700m3/h	1-8.5t/h
DN150mm	40-350m3/h	280-2240m3/h	1.4-11t/h
DN200mm	80-650m3/h	580-4200m3/h	2.9-21t/h
DN250mm	120-950m3/h	970-5500m3/h	4.85-27.5t/h
DN300mm	180-1800m3/h	1460-8000m3/h	7.3-40t/h
DN300mm	100-1500m3/h	1560-15600m3/h	Consulting customer service
DN400mm	180-3000m3/h	2750-27000m3/h	
DN500mm	300-4500m3/h	4300-43000m3/h	
DN600mm	450-6500m3/h	6100-61000m3/h	
DN800mm	750-10000m3/h	11000-110000m3/h	
DN1000mm	1200-17000m3/h	17000-170000m3/h	
>DN1000mm	Supply by agreement		

Featured Types



		
对夹式带补偿 Clamping type with compensation	螺纹式带补偿 Threaded type with compensation	法兰式带补偿 Flange type with compensation
		
简易插入式 Simple plug-in	简易插入带补偿型 Simple plug-in with compensation	带球阀插入式 Plug in type with ball valve
		
数码管型单显示 Digital tube single display	数码管型带补偿 Digital tube with compensation	液晶型带补偿 Liquid crystal with compensation

	
铠装型温度传感器 Armored temperature sensor	装配式温度传感器 Assembled temperature sensor
	
FY212 型压力变送器 FY212 pressure transmitter	FY2088 型压力变送器 FY2088 pressure transmitter