


**Features of vortex flowmeter:**

- easy installation and maintenance;
- simple and firm structure, no movable parts, and reliable long-term operation;
- wide range, range ratio up to 1:15;
- low-pressure loss, low operation cost, and more energy-saving significance;
- wide application range, liquid, gas, and steam can be measured;
- the verification cycle is long, usually two years;
- within a certain Reynolds number range, the output signal is not affected by the physical properties and composition changes of the measured medium. The instrument coefficient is only related to the shape and size of the vortex generator. Generally, it is not necessary to recalibrate the instrument coefficient after replacing accessories;
- it can be displayed on site, transmitted remotely, and networked with a computer control system;
- the detection probe does not directly contact the measured medium, so its performance is more stable.

**Technical indexes of vortex flowmeter**

Measuring medium	Liquid, gas, steam (single-phase medium or medium that can be considered as single-phase)		Fluid		Gas	
	DN (mm)	Standard range	Measured flow range	Standard range	Measured flow range	
	When the dryness of saturated steam is $\geq 85\%$ , it can be considered as the single-phase medium	20	1-8	0.6-12	5-50	5-60
Medium temperature (°C)	-20~+350	25	1.5-12	0.8-16	8-80	8-120
Medium pressure	1.6Mpa 2.5MPa 4.0Mpa $\geq 4.0$ Mpa agreement order	40	2.5-30	1.5-40	20-200	18-300
Allowable vibration acceleration	Piezoelectric type: $\leq 0.2g$	50	3-50	2-60	30-300	30-500
Uncertainty	1.0Level 1.5 plug-in level 2.5	65	5-80	3-90	50-500	50-900
Range ratio	1:6 - 1:15	80	8-120	5-150	80-1000	60-1200
Velocity range	Liquid: 0.35 ~ 7.0m/s gas: 5.0 ~ 60.0m/s steam: 6.0 ~ 70.0m/s	100	12-200	6-240	100-1000	100-2000
Specifications	Full tube	125	20-300	13-390	150-1600	150-3000
	Plugin	150	30-400	15-600	250-2500	200-4000
		200	40-800	30-1200	400-4000	350-8000
		250	80-1200	40-1600	600-6000	500-1200
		300	100-1800	50-2000	1000-10000	600-1800