

VF DELTA (Thermistor type)

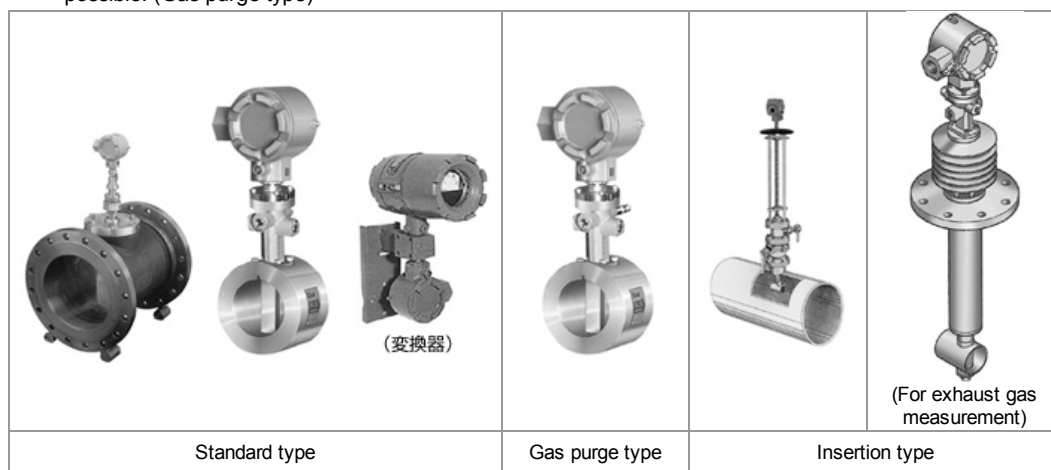
General

A thermistor sensor picks up the occurrence of vortex caused by the flow velocity change in the manner --changes in thermistor temperature -- changes in resistance value -- a train of pulses proportional to the flow velocity and measures the flowrate.

Gas purge type is configured to be purged with a clean gas (room temperature) from external source to the thermistor sensor. Therefore, fluid to be measured does not touch the thermistor sensor, permitting accurate flow measurement of gases containing dust and mist, low temperature gases, or others previously thought difficult to be measured.

Features

- Low pressure loss thanks to the absence of moving parts
- High maintainability (Replaceable type is available.)
- High repeatability
- Accurate measurement of gasses containing dust and mist and high and low temperature gases is possible. (Gas purge type)



Major specifications

Model		Standard	Gas purge type	Insertion type
Nominal size	Wafer type	20 to 150mm	15 to 150mm	—
	Flange type	200 to 500mm	50 to 500mm	—
	Applicable tube size	—	—	200 to 2000mm
Flow range	Gas (0.2 MPa air)	3 to 19000m ³ /h (12 types)	21 to 19000m ³ /h (9 types)	72 to 67800m ³ /h (10 types)
Operating temp. range		-30 to +130°C (Depends on body material.)	For room temperature: -30 to +130°C	-30 to +130°C (350°C max. for exhaust gas)
			For high temperature: 350°C max.	
			For low temperature: -200°C min.	
Flange standard		JIS 10, 20, 30K ASME 150,300	JIS 10K	JIS 10, 20K ASME 150
Max. operating pressure		Depends on flange standard.	0.971MPa	3.04MPa (Depends on flange standard.)
Accuracy		±1% of reading or ±1% of full scale		±2% of full scale
Applicable fluids		Gas		
Power supply		DC-powered		
Configuration		Explosionproof or non-explosionproof, IP65 or equivalent		
Output		Pulse		

Архангельск (8182)63-90-72
Астана +7(7172)727-132
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
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Казань (843)206-01-48

Калининград (4012)72-03-81
Калуга (4842)92-23-67
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Краснодар (861)203-40-90
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Курск (4712)77-13-04
Липецк (4742)52-20-81
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Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41

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Новосибирск (383)227-86-73
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