

VZ V-cone Flowmeter



The fluid that cone sensor can measure successfully.

(1) Gas

Coal gas: coke oven gas, blast furnace gas, city gas, semi-water gas.

Natural gas: large caliber, low pressure, low flow velocity, including the natural gas with moisture content of more than 5%.

Various hydrocarbon gases: alkanes, alkenes and other gases

Gases produced by pressure station: oxygen, CO₂, argon, acetylene and so on.

Corrosive gas: wet chlorine, wet chloride gas and so on.

Gas produced by air machine room: compressed air, including compressed air with contents of moisture, dust, oil drops.

Flue gases of boiler room: blast capacity of air blower, blast capacity of induced draft fan, flue gas.

(2) Vapor

Saturated vapor

Superheated vapor

(3) Liquid

Oil: Crude oil, fuel oil, heavy oil, emulsified oil with water, diesel, kerosene and so on.

Water: raw water, drinking water, tap water, industrial process water and so on.

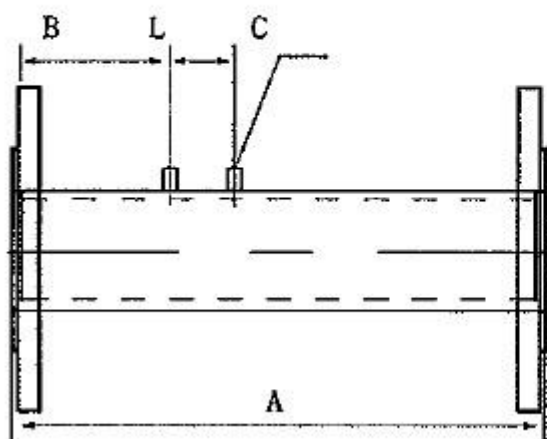
Organic solvents: ethanol, methanol, ethylene glycol, xylene and so on.

(4) Special liquid

Oil + sand and water with air bubbles (such as H₂ + N₂ + air, H₂O + CO₂)

Dimension Figure

Boundary Dimension of V-cone Sensor (flanged joint type)



Boundary Dimension of V-cone Sensor (flanged joint type)

Pipe Diameter (DN)	A (mm)	B (mm)	L (mm)	C (mm)
15	203	89	25	1/4
20	203	89	25	1/4
25	203	89	25	1/4
40	203	89	56	1/4
50	265	89	56	1/2
65	305	113	56	1/2
80	330	115	56	1/2
100	382	120	56	1/2
125	425	123	56	1/2
15	203	89	25	1/4
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Ordering Model

Model	Nominal Pressure	Illustration
VZ		V-cone flowmeter
	Numerical value	Numerical value