

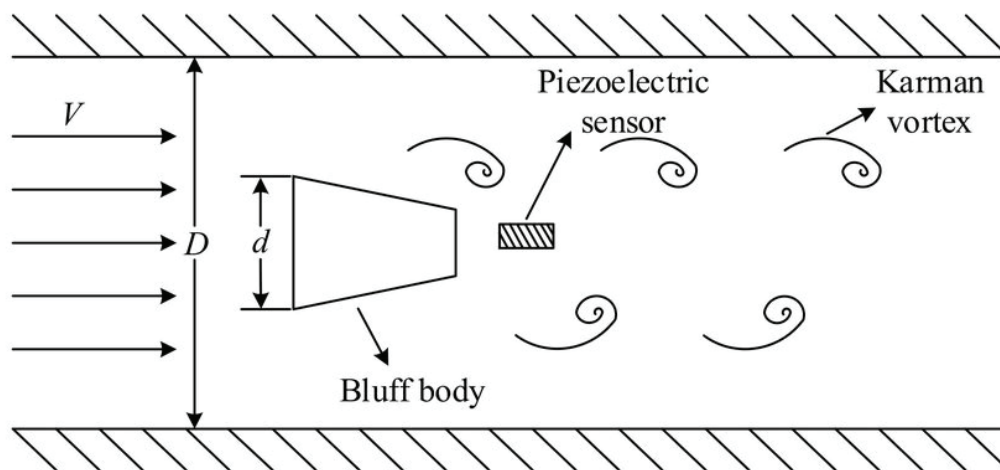
Vortex Flow Meter



(VTEX 3000 SERIES)

WORKING PRINCIPLE

Vortex flow meters measure fluid velocity using a principle of operation referred to as the von Kármán effect, which states that when flow passes by a bluff body, a repeating pattern of swirling vortices is generated.



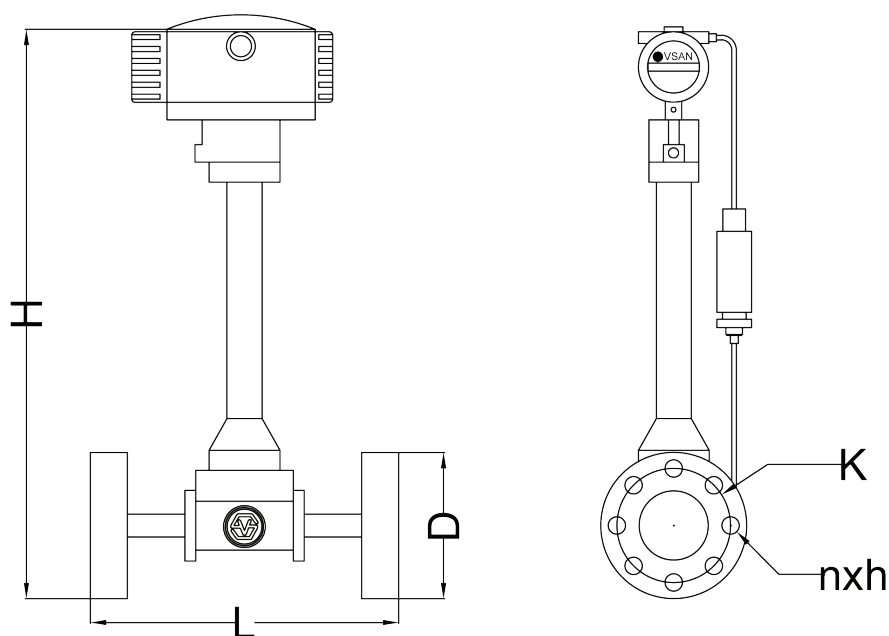
TECHNICAL SPECIFICATIONS

Size	15 to 300 mm	Power Supply	230 VAC, 24 VDC
Accuracy	± 1.25 % to 2 %	Output	4-20MA, PULSE, RS485 or HART
Pipe	Carbon steel, Stainless Steel	Flange Class	ANSI 150#, ANSI 300#,
Material			ANSI 600#, Others
Pressure	1.6 MPA, Others	Temperature	-30 to 350 deg C

FLOW RATE CHART

Model	Dia (mm)	Liquid (m3/hr)	Gas (m3/hr)	Saturated Steam (kg/hr)
VSAN-VFT-15	15	0.8 – 6	6-40	
VSAN-VFT-20	20	1 - 8	8-50	24-485
VSAN-VFT-25	25	1.3-15	8-100	37 - 970
VSAN-VFT-32	32	1.5-16	14-350	
VSAN-VFT-40	40	3-33	18-450	84 - 2426
VSAN-VFT-50	50	4-44	30-750	140 - 4043
VSAN-VFT-65	65	6-66	50-1250	234 - 6468
VSAN-VFT-80	80	13-140	70-1750	280 - 10240
VSAN-VFT-100	100	20-220	100-2500	468 - 16160
VSAN-VFT-125	125	36-400	200-5000	702 - 24260
VSAN-VFT-150	150	50-600	400-10000	936 - 32340
VSAN-VFT-200	200	100-1200	600-15000	1638 - 64680
VSAN-VFT-250	250	150-1800	1000-25000	2340 - 97000
VSAN-VFT-300	300	200-2400		2808 - 145530

GA Drawing



Model	Size	L	H	D	K	n x h
VSAN-VFT-15	15	170	440	88.9	60.45	4 x ø15.7
VSAN-VFT-20	20	170	445	98.6	69.85	4 x ø15.7
VSAN-VFT-25	25	170	450	108	79.25	4 x ø15.7
VSAN-VFT-32	32	170	462	117.3	88.9	4 x ø15.7
VSAN-VFT-40	40	190	465	127	98.6	4 x ø15.7
VSAN-VFT-50	50	190	473	152.4	120.7	4 x ø19.1
VSAN-VFT-65	65	220	487	177.8	139.7	4 x ø19.1
VSAN-VFT-80	80	220	500	190.5	152.4	4 x ø19.1
VSAN-VFT-100	100	240	533	228.6	190.5	8 x ø19.1
VSAN-VFT-125	125	260	560	254	215.9	8 x ø22.4
VSAN-VFT-150	150	280	608	279.4	241.3	8 x ø22.4
VSAN-VFT-200	200	300	640	342.9	298.5	8 x ø22.4
VSAN-VFT-250	250	360	705	406.4	362	8 x ø25.4
VSAN-VFT-300	300	400	752	482.6	431.8	8 x ø25.4

(*Other Pressure Standard dimension vary)

MODEL CODE DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12
VSAN	VFT 15	D	A	A	A	A	B	A	A	A	A

1	BRAND NAME									
2	VFT – VORTEX FLOW METER									
3	SIZE									
4	INSTRUMENT TYPE									
	P & T COMPENSATION	A	T COMPENSATION			C				
	P COMPENSATION	B	W/O COMPENSATION			D				
5	MOUNTING									
	ONLINE	A	REMOTE			B	EX-PF REMOTE		C	
6	MATERIAL									
	SS 304	A	SS 316				B			
7	PRESSURE (MPA)									
	1.6	A	OTHERS				B			
8	MEASURING MEDIUM									
	LIQUID					A				
	GAS					B				
	SUPER HEATED STEAM					C				
	SATURATED STEAM					D				
	OTHERS					E				
9	TEMPERATURE									
	BELOW 120	A	BELOW 250		B	BELOW 350		C		
10	CONNECTION METHOD									
	SANDWICH	A	INSERTION			C				
	ANSI FLANGE# 150	B	OTHERS CUSTOMISED			D				
11	POWER SUPPLY									
	230 VAC	A	24 VDC		B	LITHIUM BATTERY		C		
12	OUTPUT									
	4 TO 20MA + RS 485	A	4 TO 20MA + HART			B				



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