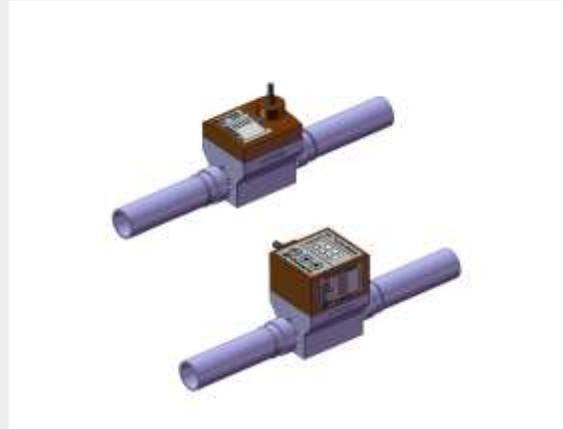


# FUTURESTAR

**KVF Series vortex flowmeters offer a compact design providing flow rate detection of ultra high purity and aggressive liquids. The output signal is proportional to the volumetric flow resulting in excellent linearity and repeatability characteristics.**

*Flow ranges from 0.3 - 2.5 l/min. through  
15 - 150 l/min. in H<sub>2</sub>O*



## KVF™ Karman Vortex Flowmeter

### Accurate and Reliable Performance

- Ultra-reliable flow rate detection — Karman vortex system
- Low pressure loss — no moving parts
- Output signal is proportional — superb linearity and repeatability
- Compact design — minimizing space requirements
- PFA—resist corrosion and prevent process contamination

### Specifications

- Wetted Parts: PFA 420 HPJ
- Accuracy: ± 3% FS
- Repeatability: ± 0.5% FS
- Viscosity Range: 0.9-3 cp
- Max Pressure: 145 psi (1Mpa) at 25°C
- Max Temperature:
  - Fluid: 0 - 90°C
  - Ambient: 0 - 50°C
- Power Requirements: 12 - 24 Vdc
- CE marking and CSA approval

### Part Numbers - example: (5VNT-1AA)

- 5V = KVF Series Karman Vortex Flowmeter
- Flow Range / Connection Size*
- L = 0.3 - 2.5 l/min. with 3/8" connections
  - N = 0.5 - 4.0 l/min. with 3/8" connections
  - T = 2.0 - 16 l/min. with 3/4" connections
  - W = 4.0 - 40 l/min. with 3/4" connections
  - Y = 15 - 150 l/min. with 1" connections

### Connection Type

- T = Tube stub\*
- S = Pillar Super 300
- F = Fine Thread Flare

*\*Tube stub is standard. Consult factory for other options.*

### Output & Cable length

- 1 = 4-20 mA, 2 meters PVC shielded cable
- 2 = Pulsed output, 2 meters of PVC shielded cables

### Cable termination

- A = Pig tail tinned wires

### Options

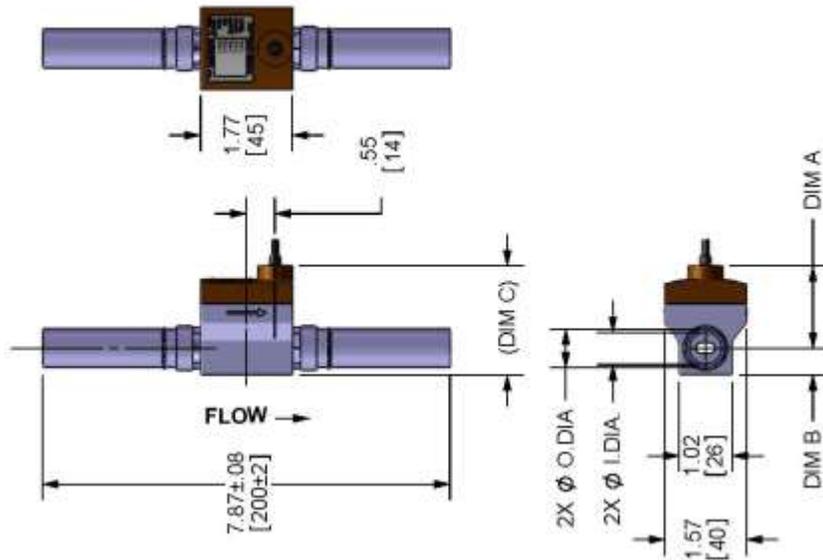
- A = None
- B = Integral display, 2 alarms,  
3 meters PVC shielded cables

# flow meters

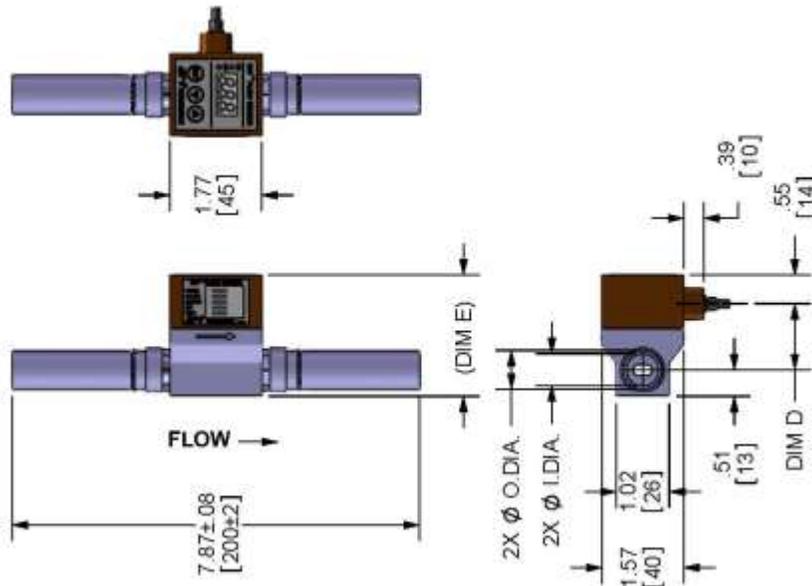
# Installation Drawings

KVF SERIES VORTEX FLOW SENSOR - UNITS : INCH [mm]								
RANGE	SIZE	Ø O.DIA.	Ø I.DIA	DIM A	DIM B	(DIM C)	DIM D	(DIM E)
L-N	3/8"	.38 [9.53]	.25 [6.35]	1.535 [39]	.512 [13]	2.047 [52]	1.220 [31]	2.283 [58]
T	3/4"	.75 [19.05]	.625 [15.9]	1.535 [39]	.512 [13]	2.047 [52]	1.220 [31]	2.283 [58]
W	3/4"	.75 [19.05]	.625 [15.9]	1.594 [40.5]	.512 [13]	2.106 [53.5]	1.279 [32.5]	2.343 [59.5]
Y	1"	1.0 [25.4]	.875 [22.2]	1.850 [47]	.787 [20]	2.638 [67]	1.535 [39]	2.598 [66]

## WITHOUT DISPLAY



## WITH DISPLAY



U.S. Patents: 5565631, 5549277, 5381826, 5078004 • Others pending  
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