VORTEX FLOW METER



MODEL CODE: ELUGB

DESCRIPTION

The vortex flow meter is used for measuring the flow velocity of gases or liquids in pipelines flowing full. The measuring principle is based on the development of a Karman vortex shedding street in the wake of a body built into the pipeline The periodic shedding of eddies occurs first from one side and then from the other side of a bluff body (vortex-shedding body) installed perpendicular to the pipe axis. Vortex shedding generates a so-called "Karman vortex street" with alternating pressure conditions whose frequency is proportional to the flow velocity.

APPLICATION

- Pharmaceutical
- Foodstuff
- Beverage







TECHNICAL SPECIFICATIONS - STANDARD VERSION

Application range (1)Gas, (2)Liquid, (3)Steam

Measured Value

Primary measured value Flow Rate

Secondary measured value Volume flow, (Pressure and Temperature is available)

Temperature

T1 Level:-20 to +100°C **Process Temperature**

> T2 Level:-20 to +250°C T3 Level:-20 to +350°C

-10 to +70°C **Ambient Temperature**

Pressure

DN200DN300: PN10 EN 1092-1

> Dn100 to DN200: PN16 Dn15 to DN80: PN25

> > Other pressures on request

ASME B16.5 1/2" to 8":150lb RF

Other pressures on request

JIS 1/2" to 8": 10K

Other pressures on request

Reference conditions Flow conditions similar to EN 29104

> Medium: Water/Gas/Steam Electrical conductivity:=300uS/cm

Temperature: -10...+30? Inlet section:=10 DN

Operating pressure: 1bar/14.5 PSIG

For Liquid: 1.0% of Rate Flow Meter Accuracy

For Gas and Steam: 1.5% of Rate

SS304 **Body Material**

SS316

Converter Material Standard: Polyurethane coated die-cast aluminum

VORTEX FLOW METER



MODEL CODE: ELUGB

FLOW RANGE

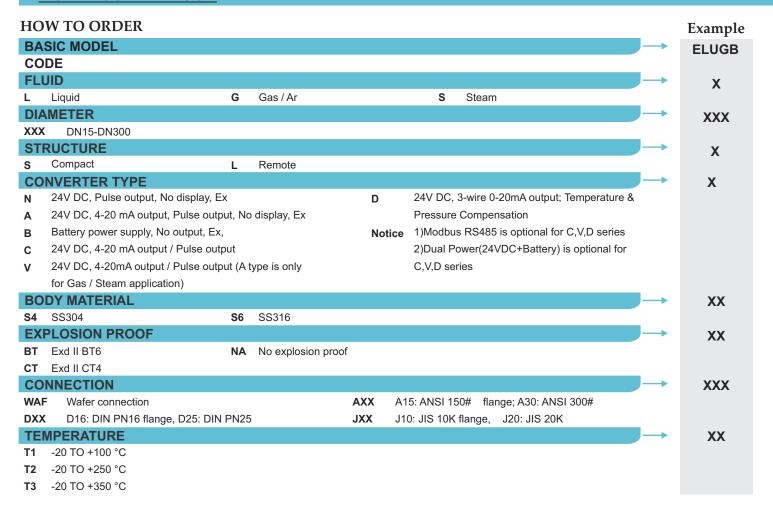
Diameter		Liquid	Gas
(mm)	(Inch)	Flow (m³/h)	Flow (m³/h)
15	1/2"	1.2 to 6.2	5 to 25
20	3/4"	1.5 to 10	8 to 50
25	1"	1.6 to 16	10 to 70
40	1-1/2"	2.5 to 26	22 to 220
50	2"	3.5 to 38	36 to 320
65	2-1/2"	6.2 to 65	50 to 480
80	3"	10 to 100	70 to 640
100	4"	15 to 150	130 to 1100
125	5"	25 to 250	200 to 1700
150	6"	36 to 380	280 to 2240
200	8"	62 to 650	580 to 4960
250	10"	140 to 1400	970 to 8000
300	12"	200 to 2000	1380 to 11000

Notice: The flow range as above is for reference only. 3 Consult the factory if you have special requirement. Refer to the nameplate or certificate for actual flow range.

VORTEX FLOW METER



MODEL CODE: ELUGB



Ordering Example: ELUGB - X - XXX - X - XX - XX - XX - XX

FOR OTHER OPTIONAL ITEMS, PLEASE CONTACT FACTORY FOR DELIVERY AND MINIMUM QUANTITY OF ORDER.

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing.

Modifications may take place and materials speci?ed may be replaced by others without prior notice.