Flow Meter
TM GARDEX

Figure1 Mecon Baffle Plate Flow Meter TM Gardex

Application

The TM Gardex flow meter is a robust device for measuring and monitoring the flow of liquid and gaseous media in any flow direction. The measured value is indicated on a scale, and is optionally available via contact switches or a current output. Standard scales are available for liquids with a density of 1 kg/l (62.43 lbs/cu.ft). The accuracy corresponds to ± 3% of the full-scale value. When selecting the size, it is recommendable for the normal flow (operating point) to be approx. 75% of the maximum flow listed in Table (see 9 Technical data).

Special Features

- Product scale for liquids and gases
- For high flow rates
- Simple installation resulting from robust sandwich design
- Can be optionally fitted with limit contact and remote transmitter.

Design and Mode of Operation

The sensor of the TM Gardex flow meter consists of a baffle plate with balance beam and operates according to the TM Gardex, design deflection method (Figure 2).

Technical Data

TM Gardex (Baffle plate with balance beam)		
Liquids	min.	0.4 - 2 m³/h
	max.	270 – 1,350 m³/h
	min.	1.76 – 8.81 USgpm
	max.	1,189 – 5,944 USgpm
		transparent, non transparent
Air/Gases	min.	12 - 60 m³/h
	max.	8,100 – 40,500 m³/h
	min.	52.8 – 264.2 USgpm
	max.	35,664 – 178,321 USgpm
Pressure	max.	25 bar, 360 psi
Temperature	max.	+250 °C, 482 °F
Accuracy		±3,0 % of full scale value
Installation position		any mounting location (orifice unit)
Flow direction		any flow direction
Connections		ring between DIN flanges DN 25 - 300
		ANSI 1“ - 12“
Accessories		switching contacts, analogue output 0/4 - 20 mA
PED 97/23/EC	Cat.	Art. 3.3 (for gases and liquids of fluid group 1)

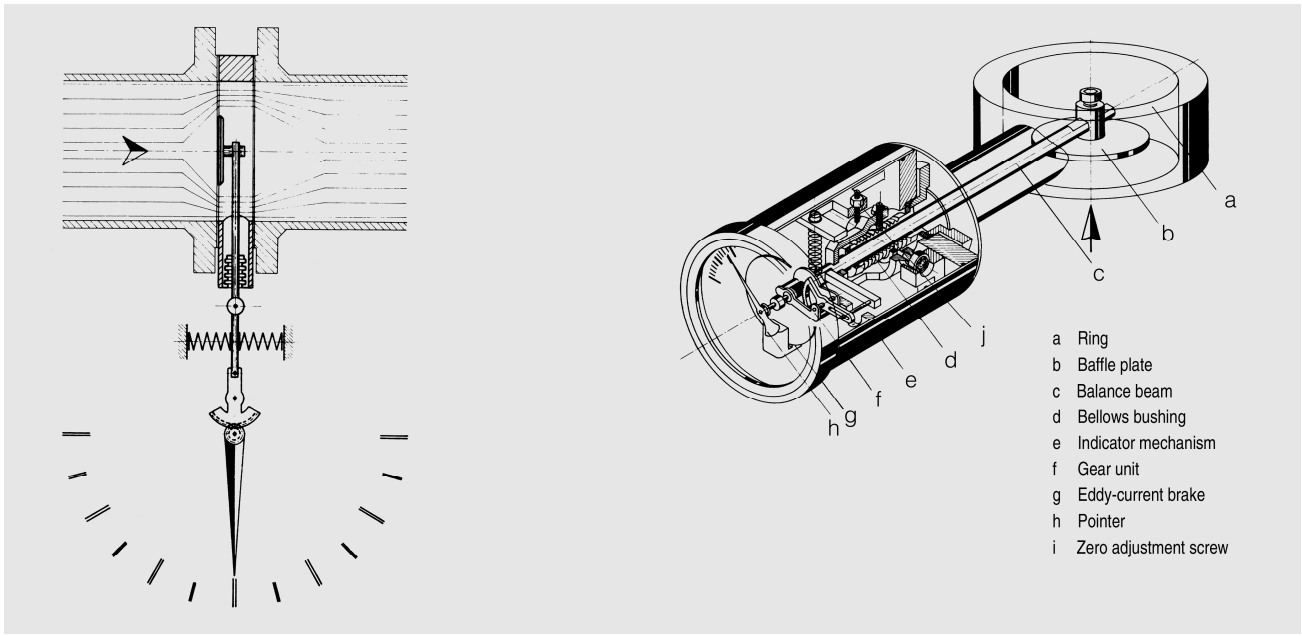

Figure 2 TM Gardex, design

Please contact sales@tecmara.de for further information to this product.