GRILLO GRUBATEC MESS- UND REGELTECHNIK

VENTURI-flowmeter EVR2000

for flow measurement in pipelines

- ❑ **Designed according to DIN EN ISO 5167-4**
- ❑ **Undisturbed straight pipeline**
- ❑ **Designed for liquids, gases or light fibres**
- ❑ **Very low deposition danger - suitable for transporting light fibres**
- ❑ **2 X 8 pressure taps guarantee highest accuracy**
- ❑ **Very low pressure drop**
- ❑ **Can be combined with various measuring / control devices**
- ❑ **Nominal widths, lengths and measuring ranges according to customer requirements**

Optional: Pneumatic feed for cyclically blow the measuring points

Combined with transmitters of DA2000er series:

- ❑ ***Large analog display (270 °) - Scale length 250 mm***
- ❑ ***Indicator in IP66 protective housing***
- ❑ ***Scale in m³ / h***
- ❑ ***Different limit indicator***
- ❑ ***Analog outputs 0 ... 10 V or 4 ... 20 mA possible (linear or square root)***
- ❑ ***Combination with a pressure switch (1.5 A / 250 Vac)***

Our latest development is the EVR2000 an adaptation of the venturi principle.

In the latest development, we combine a specially designed steel tube, in the form of a classical venturi tube, with our DA2000 pressure indicator. We thereby enable a trouble-free flow measurement and increase the application possibilities of the venturi principle.

Besides the measurement of liquids and gases, we let you monitor, supported by air pressure „objects / particles“ such as fibers, polymers, cellulose and similar. In this way a production chain at various points is continuously monitored and the power efficiency obtained constant. The special design of EVR2000 ensures optimum flow and a free stay of the measuring point. Convinced we promise a very high disturbance life.

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To increase the long-term stability of EVR2000 can optionally be equipped with a compressed air supply. This supplement prevents that the measuring points enforce through the smallest particles to 100%. The measuring points are blown out at regular intervals.

Of course, the device is manufactured as required by the customer, which nominal diameters and lengths are determined individually.

Conventional applications:

- **Air conditioning and ventilation**
- **Aeronautical engineering**
- **Oil production and refining**
- **Gas processing and transportation**
- **Wastewater treatment plants - Water treatment and distribution**

Adapted application - Flow measurement in transportation tubes in the production e.g .:

- **Textile Processing**
- **Household products manufacturing**
- **hygiene and health products production**
- **Baby items (as diapers) production**

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FLOW

date: March 2024

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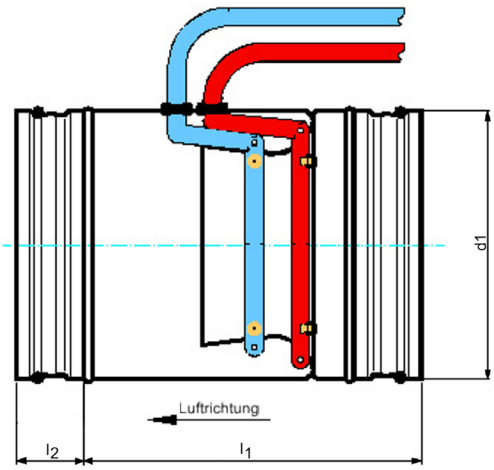

When ordering, please indicate the flow direction!

up - down / down - up; right - left / left - right

$$V = c^* \sqrt{\Delta p}$$

$$\Delta p = (V/c)^2$$

V = Volume flow
c = Diameter-dependent constant
Δp = Differenzdruck

d1 (mm)	l1 (mm)	l2 (mm)
100	140	40
125	145	40
140	150	40
150	155	40
160	160	40
180	165	40
200	175	40
224	190	40
250	200	60
280	210	60
300	220	60
315	225	60
355	240	60
400	260	60

DN	C
100	16
125	26
140	33
150	33
160	44
180	56
200	71
224	90
250	120
280	136
300	136
315	170
355	220
400	271

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