

## Flowmeters Fixable on Dashboard II.

The **VR** and **TR** type housings were developed by us for the fixing of measuring tubes with medium-sized measuring rates. The housings are produced in valve design, and owing to the perpendicular connections with inner diameter C"3/8 and rear connection C"1/2 they are excellent for installation on dashboards and panel boards. These structures are produced both furnished with valve and without valve\*. The application of installed valves is recommended primarily where the measurement process requires the possibility of manual intervention into the stream. (e.g. cooling water systems, adjustment of gas burners, etc.) The housings are made from 1.4301 (304L) stainless steel. Upon request they may be furnished with **inductive detector**.

### Measurable media (except for water and air):

Majority of gases, concentrated saline solutions, solvents, organic liquids etc., to which the applied stainless steel can resist.

Max. pressure: 6 bar

Max temperature: ~100°C

### Minimum pressure demand:

Depending on the measuring range

for liquid: 0,1...2 bar

for gases: 0,1...2 bar



| type          | special design* | material | max. measurable volume |                          | installation size |          |            | Accessories  |
|---------------|-----------------|----------|------------------------|--------------------------|-------------------|----------|------------|--|
|               |                 |          | 20°C water             | 20°C air 1,013 bar       | connections size  | distance | total dim. |  |
| <b>VR-02</b>  | s, h            | 304L     | ...600 l/h             | ...20 Nm <sup>3</sup> /h | C"3/8             | 240      | 283        | restrictors (C"1/4 - C"3/8 - C"1/2)  |
| <b>VR-12</b>  | -               |          |                        |                          |                   |          |            |  |
| <b>TR-01</b>  | h               |          |                        |                          |                   |          |            |  |
| <b>TR-11</b>  | -               | POM-C    | ...2 m <sup>3</sup> /h | ...50 Nm <sup>3</sup> /h | C"1/2             | 340      | 374        | Pipe connections to plastic and metal pipes<br>Hose connections<br>Push-on connections |
| <b>TRm-01</b> | h               |          |                        |                          |                   |          |            |  |
| <b>TRm-11</b> | -               |          |                        |                          |                   |          |            |  |

\* The first digit in the type code refers to the version i.e. „0” to versions with valve, „1” to versions without valve.

The letter „h” following the type code refers to the fact that the valve is located at the outlet end (e.g. TR-01h).

The lower measuring point of the measuring tubes is generally 10% of the top measuring point.

In the case of media whose density and viscosity are significantly different from that of water of 20°C and air of 20°C with 1,013 bar (abs), the limits of measurement ranges may vary **significantly** both in positive and negative directions.