

# WEDGE METER

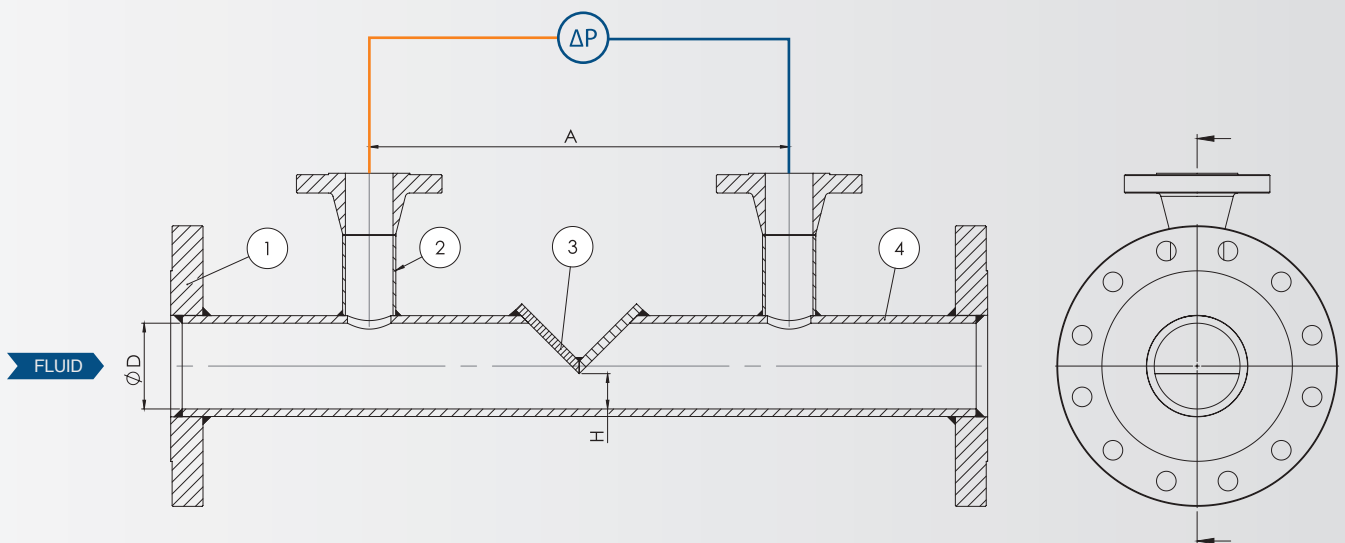
Suitable for low flow rates and dirty fluids with small particles

## GENERAL DATA

- Standards: ISO 5167-1&6, R.W. MILLER
- Weld-end (BW) or flanged connection<sup>(1)</sup>
- Material:
  - o Standard: stainless steel 304L / 316L
  - o Others<sup>(1)</sup>: according to your application
- Fluid: liquid, gas, steam
- Pipes from  $\phi$  12.5 to 600 mm
- Bi-directional measurement possible
- Accuracy: 2 % of the max flow rate
- Repeatability of measurement: 0.1 %



| MARK | DESIGNATION  |
|------|--------------|
| 1    | Flange       |
| 2    | Pressure tap |
| 3    | Wedge        |
| 4    | Tube         |



## TECHNICAL CHARACTERISTICS

| TECHNICAL CHARACTERISTICS |                             | ISO 5167-1&6                               | R.W. MILLER                                  |
|---------------------------|-----------------------------|--|--|
| $Re_D$                    | Reynolds number in the pipe | $10^4 \leq Re_D \leq 9 \cdot 10^6$         | $Re_D > 500$                                 |
| D                         | Inside pipe diameter        | $50 \text{ mm} \leq D \leq 600 \text{ mm}$ | $12.5 \text{ mm} \leq D \leq 600 \text{ mm}$ |
| H                         | Orifice height              | -  | $H > 12.5 \text{ mm}$                        |
| H/D                       | Height ratio                | $0.2 \leq H/D \leq 0.6$                    | $0.2 \leq H/D \leq 0.5$                      |
| $\beta$ coin              | $\beta$ equivalent          | $0.377 \leq \beta \leq 0.791$              | $0.3 \leq \beta \leq 0.71$                   |

<sup>(1)</sup> For more details, see «Technical information» section on page 54.