

# Wedge Flow Meter

Wedge flow meter consists of a pipe inside with a v-shaped wedge fitted. Through this constriction, a differential pressure is generated which is dependent upon the volume flow. Due to its design, the wedge flow meter is suitable for nearly all types of flow, especially for media with a very low Reynolds number of 300 up till very high Reynolds numbers of several million. As a result, it is very well suited for the measurement of slurries and highly viscous media (e.g. Wastewater, sewage sludge, tar sand, cement) as well as gases and vapors.

Wedge Meters are used on many different process applications and conditions. Line sizes available range from 25mm up to 800mm and greater. Wedge Meter design provides a key cost saving benefit, as the profile is virtually immune to any wear or erosion, therefore with very little maintenance and inspection is required. Wedge Meters can be supplied to meet the requirements of your application. We offer a wide range of differential designs that suit the need of any pipe-work configuration, with different lengths and orientations. We also have end connections available.

## ADVANTAGES

- Proven flow metering technology and robust design
- Accurate flow metering of slurries and high viscous liquids with suspended solids
- Wedge Meter profile is inherently robust with no maintenance and inspection required
- Low permanent pressure loss resulting in energy savings
- Low maintenance through robust design
- For very high and very low Reynolds number
- Bi-directional measurement possible

## Key Parameters

- Proven Technology
- Robust design
- Low Permanent Pressure Loss
- Flow Metering of Low Reynolds Numbers
- Accurate Flow Measurement
- Suitability for most process conditions

