

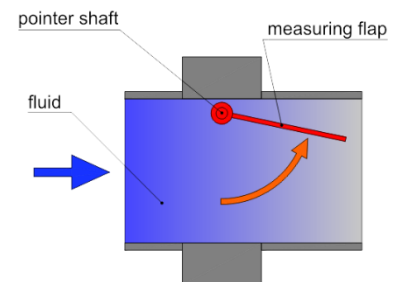
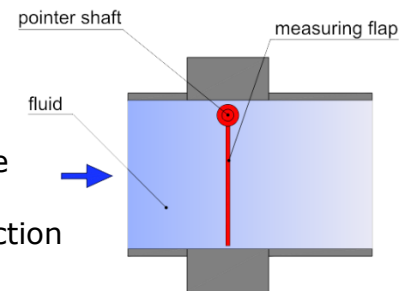
Kirchner Flap Flow Meter

For slurries and high viscosity liquids

The Kirchner Flap Type Flow Meters are used for large flow rates in different types of process media: water, air, liquids, gases, non-conductive fluids (mineral oils, alkalis, acids), high viscous liquids (slurries) and fluids or liquids with a high content of solidifying particles. The primary measuring element of the flow meters is a flap, which is deflected by the flow of the medium. The deflection angle is a direct indication of the flow.

- easy to install, low maintenance
- Largely independent of viscosity
- wide choice of material
- explosion proof design
- opt. limit switch or 4-20mA output

The devices are used in water and waste-water treatment plants, power stations, chemical and oleo-chemical factories, monitoring cooling and heating (furnace) systems, gravel extraction, etc.



KLA Flap Flow Meter Type

In the standard KLA version a magnet directly transfers the flap movement to an externally mounted pointer that indicates the flow quantity on a powder coated aluminium disk.

In the KLA-GS version the quantity is directly indicated by the flap. The flap-type flow meter is equipped with hard glass screens at the front and the back which provides a direct visual display.

- suitable for slurry liquids, water, oil, suspensions, robust construction
- indication by magnet or directly by glass
- flow direction: horizontal
- low pressure loss
- NR lining for alkalis and acids
- Pipe size: DN 15–200 flow up to 300 m³/h



KFS Flap Flow Meter Type

The 50 mm thick ring features a half-round plate that is fastened to a rotating spring-loaded spindle.

The angle between flap and ring changes according to the rate of flow, and a magnetic coupling transfers the movement to an external pointer

- suitable for big pipes with water, acids, alkaline solutions and gases
- spring loaded flap connected to a 50mm ring
- flow direction: horizontal, top - bottom
- pipe size: DN 25 – 600
- flow up to 1650 m³/h (air 5000m³/h)

