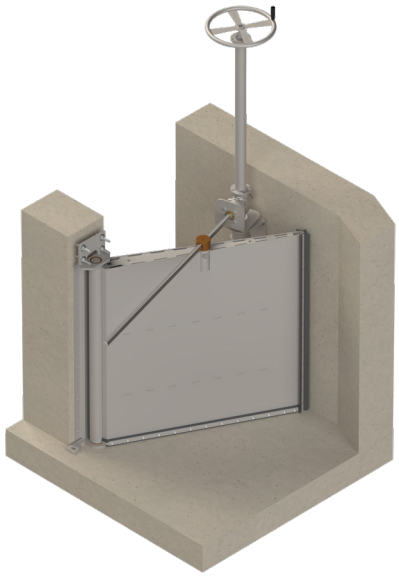
Flow diversion gate

made of stainless steel

FOR PRECISE FLOW CONTROL AT CHANNEL JUNCTIONS



Stainless steel flow diversion gate

Opening dimensions

- 500 x 500 mm to 2000 x 2000 mm, individual sizes available on request

Plate and linkage

- Flow diversion gate manufactured as a torsionally rigid stainless steel welded construction
- Flow diversion gate closed on both sides to prevent the build-up of deposits
- Actuation via a horizontally mounted spindle and nut connected to the distributor blade (alternatively, actuation via a pivot shaft and slewing gear)
- All wear parts (spindle, spindle nut and bearing bushes) are replaceable

Sealing

- Sealing on three sides: against the pivot shaft, channel invert and stop face
- Reinforced, replaceable EPDM seals
- Sealing in both directions (upstream and downstream faces)

Materials

- Stainless steel 1.4301 (304) / 1.4404 (316L) / 1.4410 (A182 F53) / 1.4462

Tightness class

- Leakage rate to DIN 19569, Part 4, Table 1:
  - Pressure on front and back side max: 0,3 bis 1,0 $l \cdot s^{-1} \cdot m^{-1}$ (tightness class 1)

Mounting options

- Anchoring into the structrue

Actuation options

- Stainless steel handwheel on a headstock or wall bracket, with bevel gearbox
- All-in-one stainless steel operating key, connected to a bevel gearbox via a square cap on a wall bracket
- MOBITORQ mobile actuators (electric or battery-powered), connected to a bevel gearbox via a square cap on a wall bracket
- BEAmax stainless steel electric rotary actuator for open-close & modulating duty mounted on a headstock and wall bracket with bevel gearbox; optional stainless steel wheater protection canopy
- Electric actuator on a headstock and wall bracket with bevel gearbox; optional stainless steel wheater protection canopy

YOUR ADVANTAGES

- **OPTIMAL FLOW CONTROL**
  Suitable for use in intermediate positions as well.
- **LOW-MAINTENANCE DESIGN**
  The double-sided, sealed plate prevents deposits.
- **OVERFLOW CAPABLE & MAINTAENANCE FREE**
  For versions actuated via a pivot shaft (no spindle required).
- **READY FOR IMMEDIATE USE**
  Flow diversion gate supplied complete with all required fixing materials, including anchors and sealing materials.
- **FACTORY CERTIFICATE OPTIONAL**
  On request, factory certificate according to DIN EN 10204, 2.1, with indication of leakage rate according to DIN 19569, part 4
- **PERFECT CORROSION PROTECTION**
  All welded stainless steel parts from our own pickling plant:

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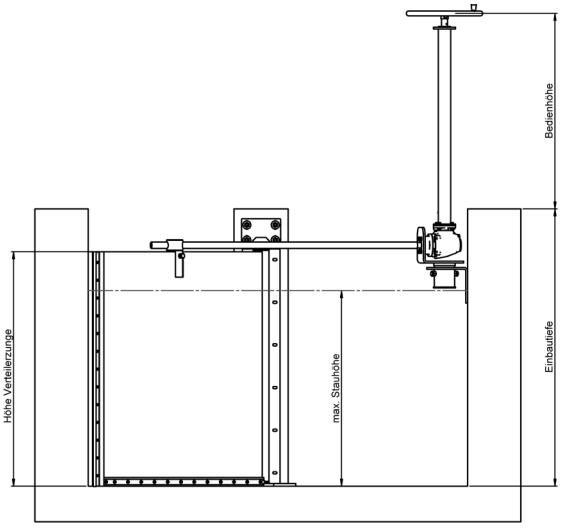
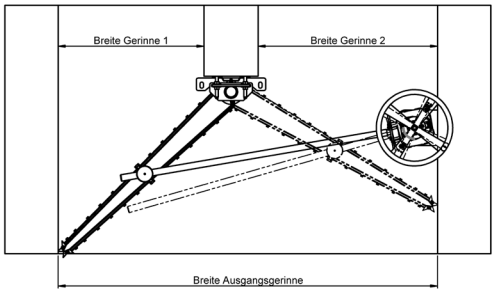
Technical drawings



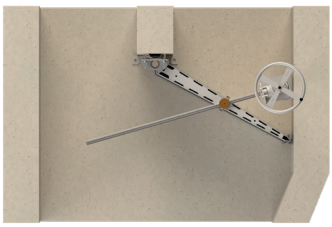
Front view



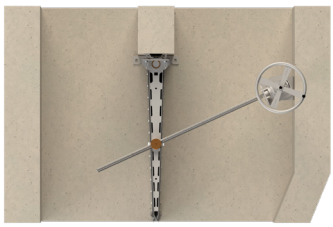
Top view

Positions of the flow diversion gate

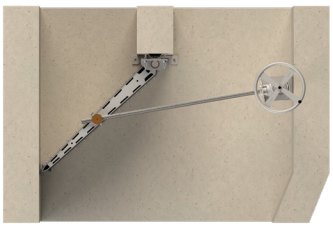
Open Closed



Open Open



Closed Open



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