# Overfall weir

## made of stainless steel

FOR REGULATING THE WATER LEVEL, BOTTOM-MOUNTED

### Size

- 500 x 200 mm up to 5000 x 1200 mm, individual sizes possible on request

### Sealing

- Seals on three sides, seal on the bottom and between the weir and the lateral guide
- Lateral guide plates for lateral sealing of the movable flap valve
- Reinforced EPDM seal
- Hinge made of stainless steel with additional BÜSCH EPDM seal (at drinking water filters: to prevent scouring of filter sand)
- All EPDM seals are replaceable
- Seal and wearing parts (spindle, spindle nut, spindle bearing, seal) are replaceable

### Material

- Stainless steel 1.4301 (304) / 1.4404 (316L) / 1.4410 (A182 F53) / 1.4462 (A182 F51)

### Tightness class

- Leakage rate to DIN EN 19569, Part 4, Table 1:
  Pressure on front side max. 10 % from 0.05 to 0.1 $l \cdot s^{-1} \cdot m^{-1}$ (tightness class 3)
  Not designed for back pressure

### Mounting options

- Dowelling to the structure
- Casting into concrete

### Actuation options

- Stainless steel handwheel with direct mounting or with Modular Actuation System MAS
- Lateral actuation with stainless steel gearbox with stainless steel handwheel or stainless steel crank handle
- Stainless steel operating key All-in-one via square cap
- MOBITORQ mobile actuators (electric or battery-powered) via square cap with Modular Actuation System MAS
- BEAmax stainless steel electric rotary actuator for open-close & modulating duty with direct mounting or with Modular Actuation System MAS, optional with stainless steel weather protection roof
- Electric actuator with direct mounting or with Modular Actuation System MAS
- Pneumatic actuator/Hydraulic actuator with direct mounting or with Modular Actuation System MAS

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Overfall weir 5000 x 800 mm wastewater treatment plant Czajka, Warsaw

12x Overfall weir 3000 x 550 mm Janowek, Poland

### YOUR ADVANTAGE

- **OPTIMAL REGULATION**
  For water levels in an open channel or basin inflow
- **READY FOR IMMEDIATE USE**
  Weir complete with all necessary fastening elements (dowels and sealing material)
- **FACTORY CERTIFICATE**
  Overfall weir including works certificate according to DIN EN 10204, 2.1, with information on the 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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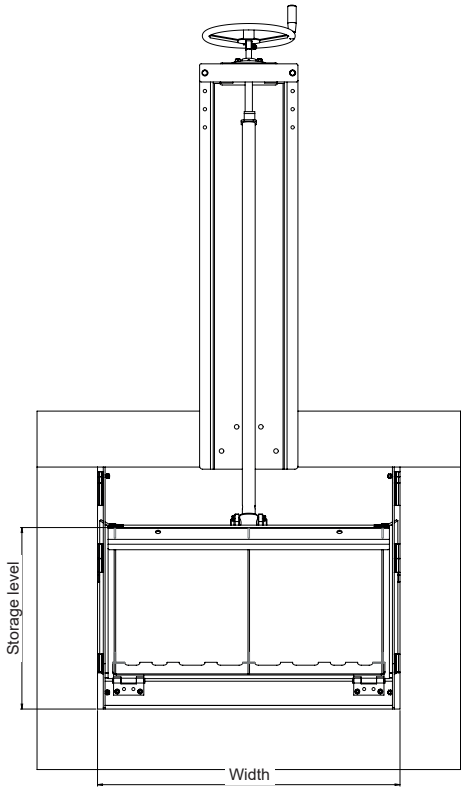
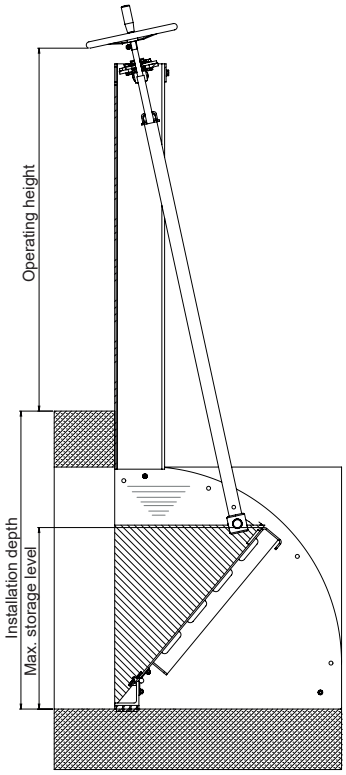
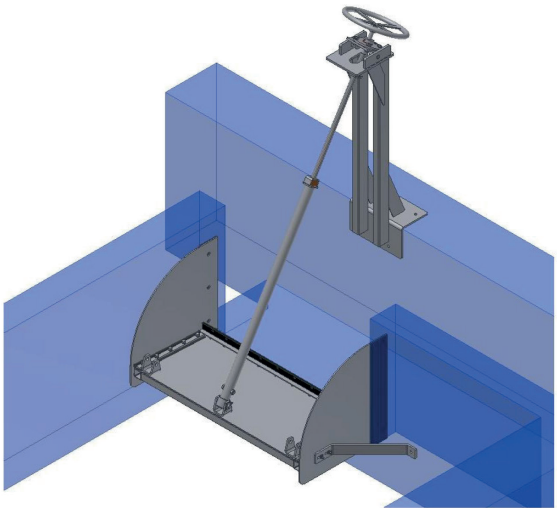
## Descriptions overfall weir




Front view




Side view



Schematic view

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