

Double baffle controller DB

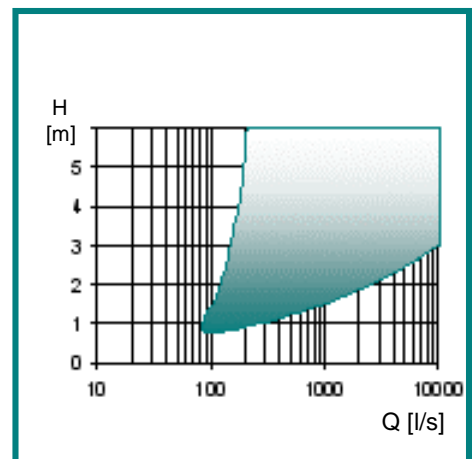
dry mounted

Flexible solution

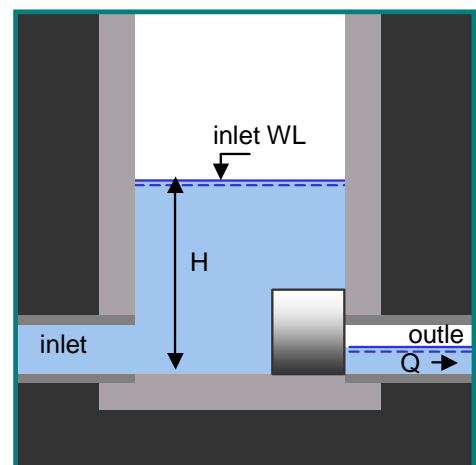
- Applicable for larger and large capacities.
- A suitable DB controller can be found for any design flow 30 l/s to 10 m³/s, please see diagram to the right.
- Fully adjustable baffles (inlet opening).
- This makes it possible to change inflow as needed with a range of at least +/-25% relative to its medium capacity.
- Applicable for all common types of sewage.
- Applicable at even very small heads (from appr. 40 cm and upwards).
- Requires little space.

Effective control

- Ensures close to constant discharge, Q_{des} , virtually regardless of upstream head, H . This is illustrated by the head-discharge curve sketch to the right.



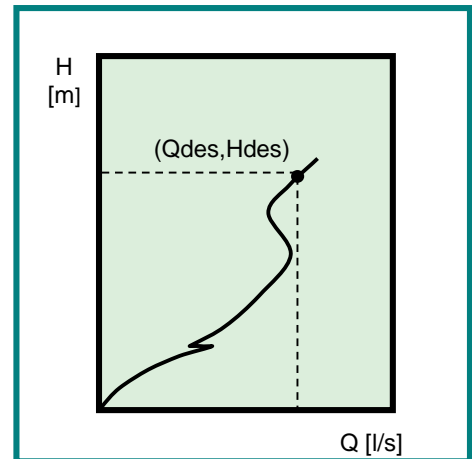
Application chart



Definition sketch

Low maintenance/operating costs

- Straight passage
- Large passageway
- Horizontal (level) passageway
- No moving parts
- Does not require any power supplies
- Fabricated in acid-resistant stainless steel AISI 316L (Werkstoff 1.4404)



Head-discharge curve for DB

Low construction costs

- Can be fitted in existing or designed manholes or tanks - a separate housing structure is mostly not required.
- Inexpensive

Typical applications

- At the outlet from detention basins
- In overflow/surcharce structures
- Temporary storage in upstream sewer system
- At inlet to pumping stations
- At inlet to sand or oil traps and treatment plants
- And many other situations.

