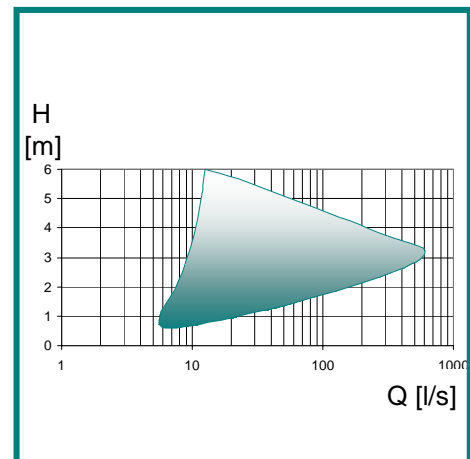


Vortex valve CY

wet mounted

Flexible solution

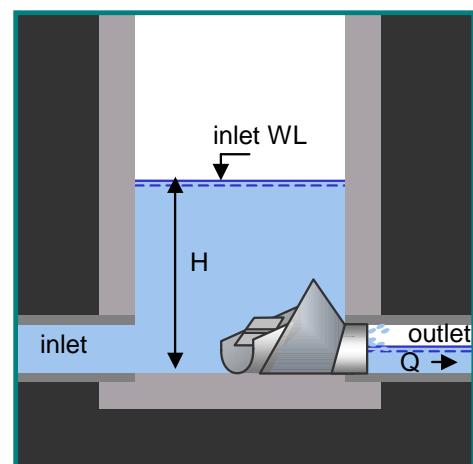
- A suitable CY controller can be found for any design flow between 8-10 l/s and 600 l/s, please see diagram to the right.
- Available in wet mounted and dry mounted versions. (Dry mounted - please see fact sheet CY/DK-CY/DX-CY/DV)
- Available with fixed (type CY/C) or adjustable (type CY/A) inlet opening.
- The latter 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.



Application chart

Effective control

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



Definition sketch (CY/A)

Low maintenance/operating costs

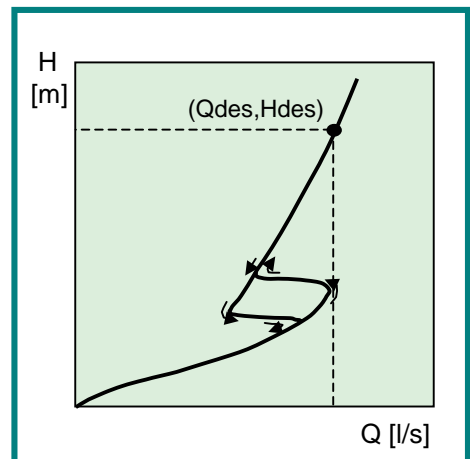
- Large passageway
- Horizontal (level) passageway
- No moving parts
- Does not require any power supplies
- Fabricated in acid-resistant stainless steel AISI 316L (Werkstoff 1.4404)

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
- Limits discharge to hydraulic capacity of downstream sewage system
- At inlet to pumping stations
- At inlet to sand traps and treatment plants



Head–discharge curve for CY

The vortex valve with adjustable inlet is our best selling and most generally applicable model.

Wet mounted: The controller is submerged in normal operation conditions and no separate chamber is required.

Dry mounted: The controller is placed in a separate chamber and the flow enters via a pressurised pipe. Outlet to a bottom groove in the structure.

CY/A

