

Semi-dry installation



Wet installation

HydroSlide[®] Automatic Regulator Type Combi

External energy-free, compact flow regulator with automatic blockage clearance for wet and dry installation

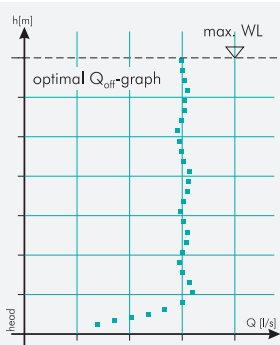
HydroSlide® Automatic Regulator Type Combi

External energy-free, compact flow regulator with automatic blockage clearance for wet and dry installation

The Challenge

Modern mechanical flow regulators are being specified in increasing numbers to control excessive flows within the sewerage systems. The ideal is where the flow curve is perpendicular providing a constant discharge which optimises the permitted downstream flow rate and minimises upstream retention.

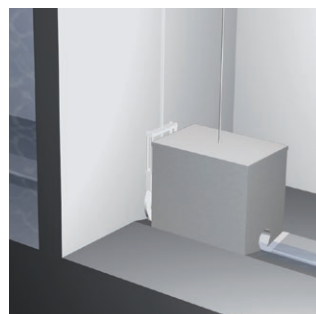
Optimal Q_{ab} -graph



These regulating devices are required to provide precise discharge control throughout the regulating range to minimise the cost of storage provision. Steinhardt flow regulators operate safely under these very difficult conditions and provide precise discharge control throughout the regulating range.

The Solution

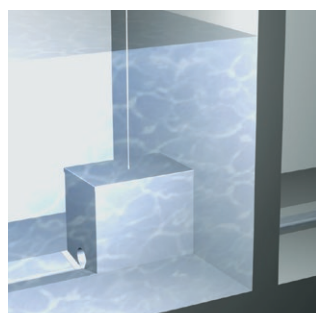
The automatic **HydroSlide® Type Combi Flow Regulator** is available as **Standard (CS)** model or as the **FlatFlow (CN)**. Both models combine many functions in one unit: they can be installed on the chamber inlet (semi-dry) or chamber outlet (wet), from raw sewage to stormwater and, where there is restricted space, within the chamber. The regulator housing protects the control mechanism so that no damage is suffered if the unit is submerged. An inspection opening, even if seldom necessary, allows for easy maintenance. On smaller models there are two hoses which are taken to the access cover. One hose is a breather to permit the internal float to rise and fall; the other is a flushing hose which permits the internal mechanism to be cleaned if required. Smaller units are also fitted with a manual pull cable to open the orifice fully if required. These units have an automatic blockage release function and are suitable for use within foul sewerage systems.



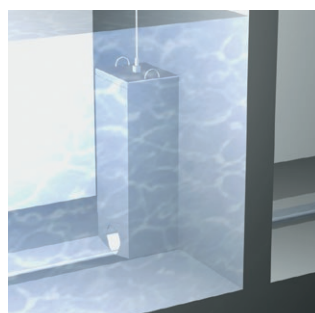
HydroSlide® Type Combi, Model Flat Flow (CN)
Semi-dry installation



HydroSlide® Type Combi, Model Standard (CS)
Semi-dry installation



HydroSlide® Type Combi, Model Flat Flow (CN)
Wet installation



HydroSlide® Type Combi, Model Standard (CS)
Wet installation

The Advantages

- semi-dry or wet installation
- constant discharge (+ 5%)
- the outstanding feature of the **HydroSlide® Type Combi** is the automatic blockage recognition and clearance
- both models suitable for low impounding heights
- easy to clean, low maintenance
- no external power source required
- operable from above ground
- no sole jump required
- can be completely closed off (optional)
- semi-dry version with vortex-inhibiting inlet pipe
- small and compact
- stainless steel, so robust and durable
- connection for hose flush cleaning from above ground
- pull cable for manual opening up to DR 250

Cost effectiveness

- low-cost
- can be optimised for local requirements
- practically maintenance-free