

HydroPass Separating Unit/Canal Separator

Complete equipped unit for
combined and separate sewer systems

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The Challenge

Wherever separating units, overflow chambers or channel separators are used for small discharges, attention must be paid to the proper installation of the flow regulating units and the professional use of the benching profiling. On-site construction can often be poor which may mean reconstruction resulting in high costs.

The Way

The **HydroPass** is supplied by Steinhardt GmbH complete with chamber shaft, installed equipment parts and benching profiling. Steinhardt cooperates closely with local pre-cast chamber suppliers. The unit is lowered into the construction by crane on site and is ready to operate after connection to the sewer system. These units are designed and supplied with internal controls bespoke to the site requirements.

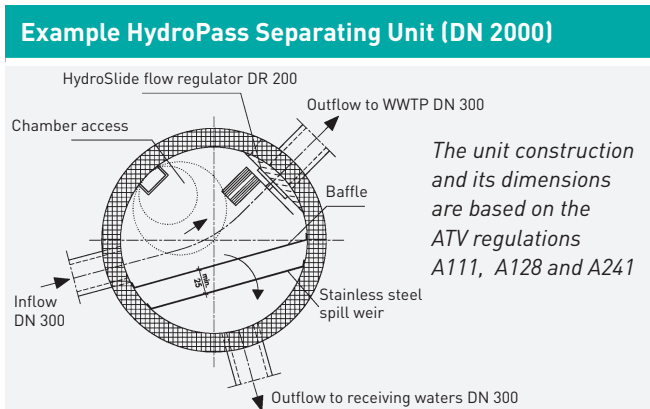
HydroPass Separating Unit

The **HydroPass separating unit** is a small combined sewer overflow (CSO) and is installed within the combined sewerage system. The design is in keeping with ATV A.128 e.g. by a local engineer office. The **HydroPass separating unit** is equipped with a **HydroSlide flow regulator**, an emergency weir, an overflow weir and a baffle plate. According to local requirements it may be advisable to install a height adjustable overflow weir and/ or a floating baffle plate to permit fine adjustment on site.

Round shaft dimensions

DN 1000, DN1500, DN 2000, DN 2500

Further dimensions on enquiry. Please submit the required discharge Q_p , the discharge quantity Q_e and the levels of the inlet, outflow and overflow weir.



The Advantages

- everything from one source
- compact shaft
- completely equipped
- ready profiled
- operational safety
- low investment costs
- low operational costs
- low construction costs
- optional: floating baffle plate
- optional: height adjustable overflow crest
- optional: automatic blockage clearance

HydroPass Canal Separator

The **HydroPass canal separator** is a small chamber for the separation of excess flow. It is used in combined sewerage systems and qualified separating systems. The design of the chamber will be bespoke to the site and subject to hydraulic requirements. The **HydroPass canal separator** consists of the **HydroSlide flow regulator**, an overflow weir and a baffle plate. If the accuracy of the Pass Forward Flow (PFF) plays a subordinate role, the **HydroLimiter** float-controlled slide is used. If the retention of floating materials plays a subordinate role, the baffle plate may be omitted from the design.

Typical areas of application for the HydroPass canal separator are

- Before separating installations to improve cleaning performance
- Before filtrations in qualified mixed or separating systems
- In bypass solutions where a partial treatment e.g. of the surface water, runs parallel to the main treatment.

Note: The **HydroPass canal separator** is not a substitute for the **HydroSwitch® wastewater switch**.

