Vortiflo Flow Controls and Control Chambers are specifically designed for controlling the flow of storm water from upstream attenuation systems, preventing downstream flooding during periods of heavy rainfall. Designed to meet client and site specifications and achieve the specified flow rate at the given head/height. The Flow Controls themselves are manufactured from either Stainless Steel or Plastic and in sizes to suit varying flow rate specifications. The Vortiflo Controls can supplied pre-installed in a plastic twinwall chambers, factory build to the depth and invert required.

How they Work: Surface water enters the Vortiflo Chamber from the upstream attenuation system, when the water enters the Flow Control it creates an internal vortex (as shown opposite). This Vortices reduces the outlet flow, as required specification and optimises the use of upstream storage.

Features and Benefits:

- Individually designed to the specific performance requirements of the application.
- Optimum hydraulic efficiency – the mechanism employed within the vortex flow control provides superior hydraulic performance in traditional flow control systems
- Self activating - No power supply required
- Stainless Steel or Plastic Units available
- Approved for use by most Water Companies
- Proven performance
- Optional bypass door and emergency drain down facility allows the vortex flow control to be accessed from the surface to allow the upstream system to be independently drained, completely bypassing the inlet
- Capable of dealing with flow rates from 1 to 500 litres per second
- Can be supplied pre-installed into a Heavy Duty Twinwall Chamber. Diameters from 750mm to 1050mm
- Chambers are custom built to suit the specific control. No fitting required. Greatly reducing onsite and labour costs

To ensure we provide the most efficient Vortiflo for your application/scheme. Then we require the following basic information:

- The design Flow - Maximum Discharge
- The design Head - Invert to Top Water Level
- Type of drainage - Surface or Foul

From this information we will size and design the Vortex Flow Control to meet the design criteria and to suit the proposed infrastructure.