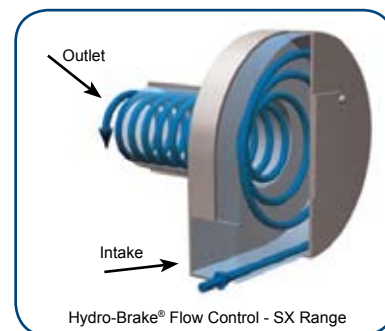


# Hydrological Analysis Service

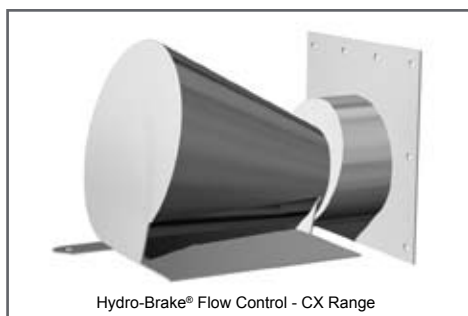
## Hydro-Brake® Flow Control Product Profile :

- No Moving Parts.
- No Power Requirement.
- Self-activating and self-cleansing.
- Outlet 3-6 times larger than conventional controls.
- Highest performing passive flow control.
- Can reduce storage requirements by up to 30% compared to an orifice plate.



It is a fact that the development of land causes both an increase in volume and rate of runoff of stormwater. There is an alternative to flooding which does not involve the costly construction of additional relief sewers.

The *Hydro-Brake® Flow Control* concept of stormwater management stems from the idea of utilising Surface Water Attenuation Storage Systems as a way of reducing the need for additional sewer capacity downstream of the development.



In the Hydro-Brake® Flow Control approach, oversized pipes, tanks (using systems such as Stormcell as supplied by HRD Technologies Ltd), manholes, gullies and surface features can be used as detention storage. We provide comprehensive and cost-effective evaluations for storage requirements for anything from small urban developments to large rural catchments.

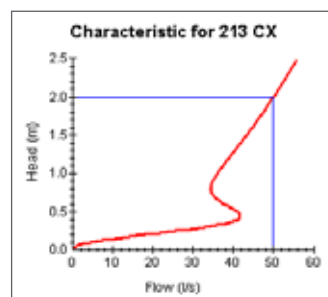
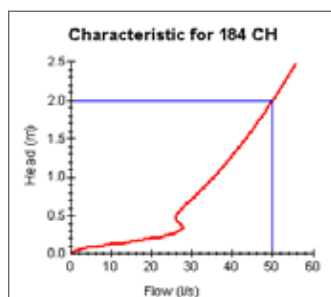
We can undertake hydrological analysis giving you the peak discharge figures as well as imulations of storage volumes required when using Hydro-Brake® Flow Controls.

**Hydro-Brake® Flow Control**  
**Hotline No : 01 4013964**

## New Range of Hydro-Brake® Flow Controls - Now Even More Efficient!

Continuous testing and development, using sophisticated software design and on-site testing, has recently led to an improved Hydro-Brake® Flow Control range. The graphs below indicate where the latest model Type CX is compared to its equivalent Type CH. For the same head : flow criteria of 2 m : 50 l/sec the comparative outlet size is increased from 184mm diameter to 213mm diameter. As can be seen from the head/discharge graphs, flows in excess of 40 l/s can also be passed forward prior to vortex initiation, further reducing storage requirements, as well as having the additional benefit of a larger opening, less likely to block.

As well as the Type CX, HRD have also developed the SX range of units which offer similar performance curves to the CX Range.



This information is for guidance only and not intended to form part of a contract. HRD Technologies Ltd pursues a policy of continual product development and reserves the right to amend specifications without prior notice. Equipment is patented in countries throughout the world.