

Hydro International Warranty, Maintenance and COSHH Statement

This statement covers all Hydro International Hydro-Brake Optimum®, Hydro-Brake® and S-Type Vortex Flow Control units (hereafter referred to as "Flow Control")

Defects Liability Period Warranty

The standard Hydro International warranty covers products for one year from date of purchase and will only be considered for those defects or faults reported directly to Hydro International in writing. Warranties will not be considered for defects or faults caused by accident, acts of vandalism or unauthorised repair/rectification. Please contact Hydro International for product specific details.

Maintenance

Normally, little maintenance is required as there are no moving parts within the Flow Control. Experience has shown that if blockages occur they do so at the intake, and the cause on such occasions has been due to a lack of attention to engineering detail such as approach velocities being too low, inadequate benching, or the use of units below the minimum recommended size. The Flow Control (where applicable) is fitted with a pivoting by-pass door, which allows the manhole chamber to be drained down should blockages occur. The smaller type conical units, below the minimum recommended size, are also supplied with rodding facilities or vortex suppressor pipes as standard.

Following installation of the Flow Control it is vitally important that any extraneous material i.e. Building materials are removed from the unit and the chamber. After the system is made live, and assuming that the chamber design is satisfactory, it is recommended that each unit be inspected monthly for three months and thereafter at six monthly intervals with hose down if required. If problems are experienced please do not hesitate to contact the company so that an investigation may be made.

All Flow Controls are typically manufactured from grade 304 Stainless Steel which has an estimated life span in excess of the design life of drainage systems.

COSHH

Flow Controls are manufactured from Stainless Steel, which is not regarded as hazardous to health and exhibits no chemical hazard when used under normal circumstances for the stated applications.

Manual Handling

The handling of Flow Controls should be in accordance with current legislation and regulations:

- The Health and Safety at Work Act 1972.
- The Management of Health and Safety at Work Regulations 1999.
- The Manual Handling Operations Regulations 1992.

All published and printed by the Health and Safety Executive.

Maintenance of highway/piped drainage systems

Maintenance Asset	Required action	Frequency
Gullies, Catchpits & Interceptors	Cleansed where necessary and sediment removed	As required. Annually as a guide but also based on assessed flood risk. In lower risk areas the frequency of cleansing may be reduced.
Gully Connections	Cleansed where necessary.	Based on assessed flood risk.
Piped Drainage Systems	Cleansed where necessary.	Based on assessed flood risk but up to 10 years in lower risk areas.
Piped Grips / Kerb Offlets	Cleansed where necessary.	Based on assessed flood risk but annually as a guide. In lower risk areas the frequency may be reduced.
Grips (intercepting ditches)	Cleared where necessary.	Based on assessed flood risk.
Roadside (Highway) Ditches	Cleared where necessary.	Based on assessed flood risk.

Sediment testing may be required before sediment excavation to determine its classification and appropriate disposal methods. For industrial site runoff sediment testing will be essential. In the majority of cases, it will be acceptable to distribute the sediment on-site if there is an appropriate safe and acceptable location to do so.