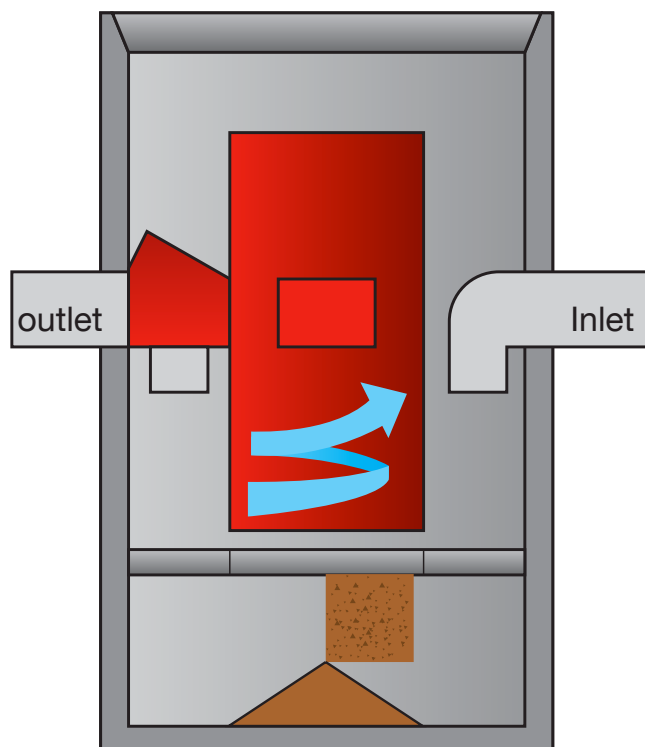


Installation Guidelines

The Hydrodynamic Separator chamber is housed within a reinforced precast concrete unit, contains no moving parts and all internal components are manufactured in GRP and stainless steel for performance and durability.

1. Ensure the prepared excavation meets with all minimum Health and Safety site standards prior to the build.
2. Prior to installation, check carefully for proximity of site services such as cabling, ducting and existing drainage channels.
3. As agreed with the operator, prepare the base with a suitable foundation material such as a granular fill or concrete depending on ground conditions and stability. Raise the base material to a level to allow for correct configuration of the Hydrodynamic Separator.



Construction of the Hydrodynamic Separator

The four piece unit consists of:-

Base unit

Intermediate unit

Main Component Housing unit

Top unit (To cover level)



1. Ensure correct lifting equipment is used and is connected to the designated anchor points on the units.
2. During handling and installation, avoid impact with any site objects that may cause damage to the units
3. Position the base followed by the intermediate unit on the foundation. Use a recommended bitumen based sealant such as Tokstrip between all units, ensuring the ends overlap to provide a permanent water-tight seal.
4. Before the main component unit is lowered onto the intermediate unit, check that no site debris has entered the internal chamber.
5. Lower the main component unit ensuring that the inlet and outlet points are correctly aligned for accurate connection.
6. Complete the build with the top unit to cover level. Slab access orientation to be positioned directly over the central tube for the purpose of inspection and routine maintenance.
7. Backfill around the unit with a suitable material up to a level below the inlet and outlet points.
8. Pipe connection to the inlet and outlet points and final backfilling to cover level completes the process.
9. Prior to operation, fill the unit with water until it flows from the discharge pipe. The sump is now full and the Easi-Hydro Separator is ready for use.