**MODEL: PL0506 CDS® UNIT - THE NIPPER & ACCESSORIES**

The Nipper is ideally suited for installation at the collection source in small catchment areas and is designed to remove gross pollutants, organic waste, silt, sediment and oils. The polymer construction makes it light and easy to use.

The CDS NIPPER is designed to provide cost-effective and efficient removal of gross pollutant matter from stormwater flow, and may be used for similar functions in trade-waste and other waste-water applications.

- The incoming water is directed into and around a circular weir in the upper module, and is then directed down inside the Vortex Chamber.
- The Vortex Chamber has a perforated Stainless Steel Screen which allows water to pass through into an outer chamber, while retaining waste matter.
- The "clear" water is directed up through an opening into the upper module where it passes through the Outlet and continues downstream.
- Trapped wastes collect in the hemispherical bottom chamber.
- Opening the top cover allows direct access down into the bottom chamber so that the standard suction leg of a maintenance/pump-out cleaning vehicle can be lowered into the unit and collected waste simply and easily removed.

As the flow of the incoming water is directed around and across the inner face of the Stainless Steel Screen, the screen apertures are kept open by the force of the water stream, and will not block with strained matter. There is therefore very little need for the tedious extra work involved in cleaning screens and filters with pressure water equipment so often found in alternative systems.

Note: a concrete Trafficable Kit which includes a Class D cast iron cover is also available (Product code: 13185)

<table>
<thead>
<tr>
<th>Gross Pollutant Trap - Nipper</th>
<th>Riser and collar 630mm x 1000mm</th>
<th>Riser and collar 630mm x 2000mm</th>
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<tbody>
<tr>
<td>PRODUCT CODE</td>
<td>WEIGHT (Kg)</td>
<td>WEIGHT (Kg)</td>
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<tr>
<td>82260</td>
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Nipper Fast Facts

Q. How do I clean it out and how often?
A. The Nipper is designed to be cleaned out by suction truck capable of handling 1500L, where all the water and waste water is sucked up and collected at once. This is usually required somewhere between 3 months and 1 year, with an average time frame that can be expected to be around every 6 months. It depends very much upon the rainfall for the season and the expected pollutant loading.

Q. When do I clean the Nipper?
A. The sediments and pollutants will fill up the “sump” part of the unit to just below the bottom of the screen. A marked or measuring pole can be used to gauge the level of the pollutants by opening the lid and feeling the level of the pollutants below the water line with the pole.

Q. How does it work?
A. Firstly, it really does work! The CDS Unit harnesses the energy of the flowing water to make a rotating “vortex” type flow with a specially designed circular screen. The solid pollutants are separated out of the flow by the vortex force and deflective screen and settled into the storage sump below the screen. This leaves the screen free and clear for screening future storm flows.

Q. Why should I use a Nipper?
A. There are a number of reasons:
1. It really is the best and latest technology and design.
2. It is the easiest system to install (lightweight, one piece, accepts up to 375mm pipe.)
3. Available ex stock

Q. How much water can it treat?
A. The unit has a capacity (full pipe) flow of up to 152 litres per second. This is not to be confused with treatment flow which is often about one third of the full pipe flows.

Q. What is the Design Flow Range or Treatment Flow rate?
A. For 90% volumetric treatment efficiency (and 90% pollutant removal which is all that is required by most councils) the applicable design treatment flow range for the Nipper is up to 100L/s.

Q. What size catchments is the Nipper suitable for?
A. It is suitable for catchments up to 1 hectare provided that the Full Pipe Flow is less that 125L/s.

Q. Can it go in a driveway or car park?
A. Yes, but you need to purchase additional trafficable components such as a Nipper chamber including Class D trafficable lid which are all available from Everhard. Additionally, the Nipper is suitable for use above ground in basement car parks etc.

Q. What is the minimum depth to invert for a Nipper?
A. The standard Nipper has a minimum depth to invert of 710mm. A single standard rise will allow the unit to be installed in depths to invert up to 1700mm. With an extended riser it can go to 2700mm, although a PL0506 requires a concrete structural surround if placed deeper than 2.0m depth to invert.
### Trafficable kit to suit Nipper

#### Components of the Trafficable kit are:

**A** - Inspection Chamber ø1220 x 1200 high  
**B** - Inspection Chamber ø1220 x 300 high  
**C** - Inspection Chamber ø1220 x 900 high  
**D** - Chamber roof slab  
**E** - Class D Iron Cover

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<tr>
<th>Product Code</th>
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<tbody>
<tr>
<td>13185</td>
<td>Trafficable kit suit PL0506 (inc Class D cast iron cover)</td>
<td>2150</td>
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Concrete slab, compacted sand or road base