Hynds
Cleansall® Gross Pollutant Trap

- Small Footprint
- No Pollutant Re-Entrainment
- Removes Floatables, Sediments, Oils And Grease

0800 425 433
www.hyndsenv.co.nz

EVS 6 HYNDS CLEANSALL GROSS POLLUTANT TRAP JULY 2012
The Hynds CleansAll® Gross Pollutant Trap removes large and small pollutants from stormwater networks.

It has been designed to treat large flows in-line or end-of-line and allows only clean water to reach our delicate wetlands and ocean.

### Applications
The Hynds CleansAll® small footprint makes it an ideal choice wherever stormwater treatment is required.
Installation locations include:
- Streets and roadways
- Beach and lake front areas
- Parking areas
- New developments
- Industrial and commercial facilities
- Airports, truck stops, shopping malls, restaurants, supermarkets, etc

### Features
- Low head loss
- No re-entrainment
- Effective overflow system for peak and design flows
- Flexible design to suit most applications
- Long, reliable service life.
- Quality assured ISO 9001:200

### Installation
Installing a Hynds CleansAll® is simple. The unit is delivered to site as precast components, ready to be installed by the contractor.
The number of components is dependant on the size of the system. Installation time for most CleansAll® systems is typically less than 48 hours.

### Performance
The Hynds CleansAll® units will capture 100% of gross pollutants 3 mm and above, up to the designed treatment flow rate. On average this represents greater than 95% of gross pollutants during all storm events. The Hynds CleansAll® also captures 95% of free oils and greases and a large proportion of sediments from the treatment flow. The Hynds CleansAll® unique design prevents remobilisation of collected pollutants even during peak storm events.

### Maintenance
Maintenance of a Hynds CleansAll® is safe, quick and simple. The stainless steel baskets are easily removed and emptied. Access lids at ground level provide for inspection and clean-out of stored floatables and sediment. In most situations, biannual clean-outs are recommended.
Hynds Environmental offers maintenance contracts to complete this procedure and ensure compliance with resource consent requirements.

### Sizing And Design
Six different models are presently available as shown in the table below. The sizing of a Hynds CleansAll® is based on the treatment flow rate required. Peak storm events greater than the treatment flow will bypass the treatment system.
How It Works

1. **Stainless Steel Basket(s)**
   Easily removable for maintenance of the system.

2. **Outlet Pipe**
   Discharges treated effluent from the system.

3. **Inlet/Bypass Chamber**
   Effluent bypasses the treatment chamber in high flow events.

4. **Riser**
   Flow passes up through this chamber causing sediments to settle in the sediment sump.

5. **Treatment Chamber**
   Isolates and filters the stormwater and stores the pollutants until the system is maintained.

6. **Inlet Pipe**
   Introduces stormwater into the main chamber.

7. **Sediment Sump**
   Collects sediments that have passed through the treatment chamber.

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### Hynds CleansAll®

#### Hynds Cleansall® gross pollutant trap—flow data

<table>
<thead>
<tr>
<th>Max. treatment Flow (l/s)</th>
<th>Inlet/outlet Pipe range (mm)</th>
<th>Min Depth to invert (mm)</th>
<th>Basket Storage (m³)</th>
<th>Sediment Sump Storage (m³)</th>
<th>Oil Storage (m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>90</td>
<td>300 – 600</td>
<td>990</td>
<td>0.35</td>
<td>0.07</td>
<td>0.26</td>
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<tr>
<td>320</td>
<td>450 – 750</td>
<td>1070</td>
<td>1.38</td>
<td>0.22</td>
<td>1.09</td>
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<tr>
<td>750</td>
<td>750 – 1200</td>
<td>1510</td>
<td>2.00</td>
<td>0.66</td>
<td>3.16</td>
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<tr>
<td>928</td>
<td>750 – 1200</td>
<td>1510</td>
<td>4.58</td>
<td>0.66</td>
<td>3.16</td>
</tr>
<tr>
<td>2200</td>
<td>1200 – 1650</td>
<td>2210</td>
<td>6.50</td>
<td>0.97</td>
<td>10.95</td>
</tr>
<tr>
<td>2732</td>
<td>1200 – 1650</td>
<td>2210</td>
<td>10.61</td>
<td>0.97</td>
<td>10.95</td>
</tr>
</tbody>
</table>
Disclaimer

Users of the Hynds products within this document must make their own assessment for suitability for their particular circumstances. Product dimensions and specifications may vary according to factory of manufacture or changes from product improvement. No warranty either expressed or implied or statutory is made by Hynds in this document unless expressly stated in any sale and purchase agreement entered into between Hynds and the user.

North Island
PO Box 58142, Botany 2163,
Auckland, New Zealand
T +64 9 271 9503
F +64 9 272 7485
nl.sales@hyndsenv.co.nz

South Island
PO Box 16552, Hornby 8441,
Christchurch, New Zealand
T +64 3 344 1370
F +64 3 344 1375
si.sales@hyndsenv.co.nz

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