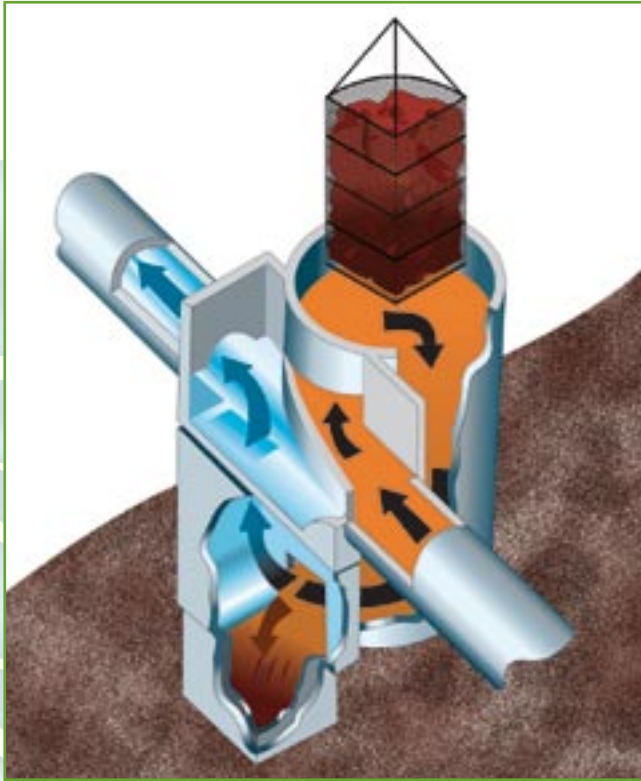


### CLEANSALL® GROSS POLLUTANT TRAP



#### Advantages

- Removes floatables, sediments, oils and grease
- Small footprint
- No pollutant re-entrainment
- No loss of treatment capacity between clean-outs
- Efficient over a wide range of flows
- Easy to install
- Low maintenance
- Easy to specify

#### 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.

#### Introduction

The Hynds 'CleansAll'® Gross Pollutant Trap removes large and small pollutants from stormwater systems. 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.

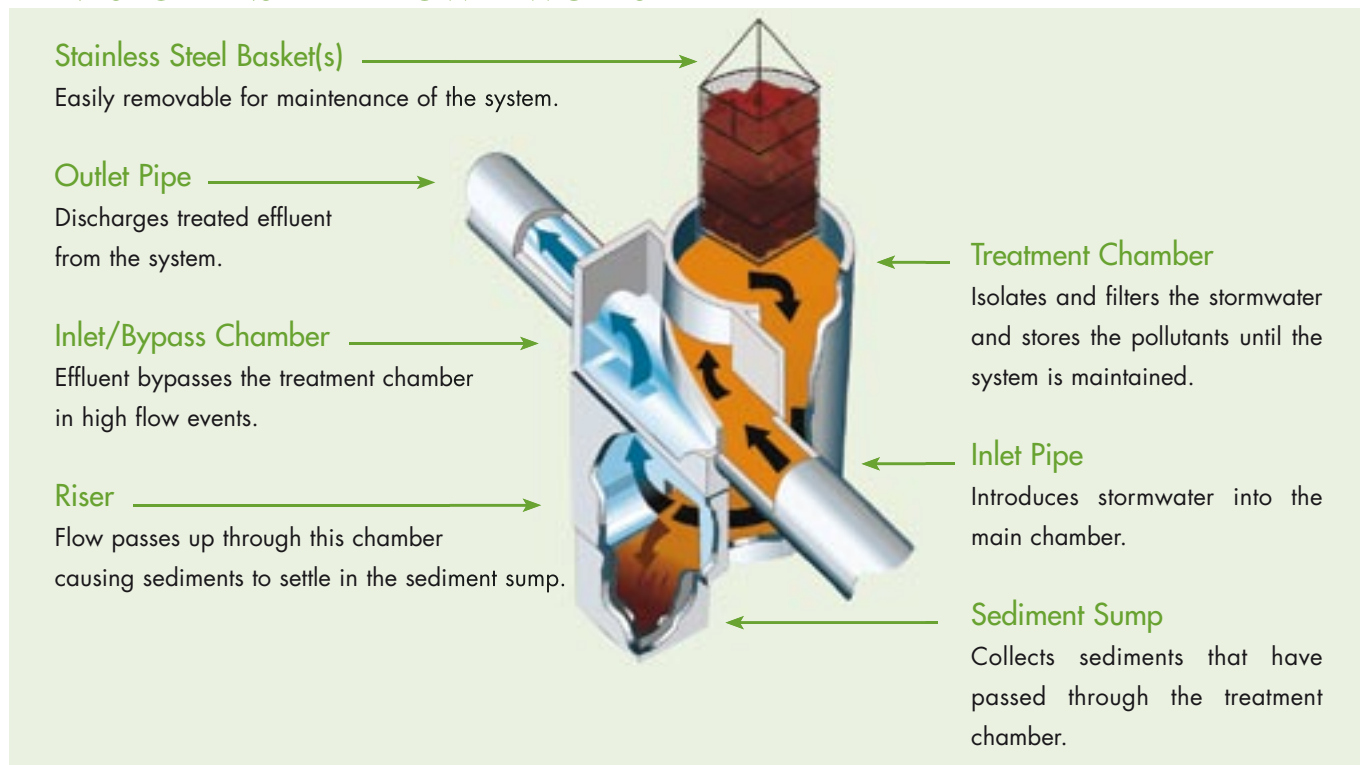
Installation locations include:

- Streets and roadways
- Beach and lake front areas
- Parking areas
- New developments
- Industrial and commercial facilities
- Airports, truck stops, shopping malls, restaurants, supermarkets, etc



# CLEANSALL® GROSS POLLUTANT TRAP

## HYNDS 'CLEANSALL'® - HOW IT WORKS



## Performance

The Hynds 'CleansAll'® units will capture 100% of all gross pollutants 3mm and above, up to the designed treatment flow rate. On average this represents greater than 95% of all gross pollutants during all storm events. The Hynds 'CleansAll'® also captures 95% of all 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.

HYNDS 'CLEANSALL' GROSS POLLUTANT TRAP - FLOW DATA						
Unit Name	Max.Treatment Flow(l/s)	Inlet/Outlet Pipe Range(mm)	Min Depth To Invert(mm)	Basket Storage(m <sup>3</sup> )	Sediment Sump Storage(m <sup>3</sup> )	Oil Storage(m <sup>3</sup> )
CleansAll 375	90	300 - 600	990	0.35	0.07	0.26
CleansAll 600	320	450 - 750	1070	1.38	0.22	1.09
CleansAll 750	750	750 - 1200	1510	2.00	0.66	3.16
CleansAll 900	928	750 - 1200	1510	4.58	0.66	3.16
CleansAll 1200	2200	1200 - 1650	2210	6.50	0.97	10.95
CleansAll 1350	2732	1200 - 1650	2210	10.61	0.97	10.95

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protecting our environment



**HYNDS**  
ENVIRONMENTAL

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Hynds Environmental manufactures the 'CleansAll'® under licence from Rocla Limited, Australia.

[www.hynds.co.nz](http://www.hynds.co.nz)

Reference EV08 September 2006