

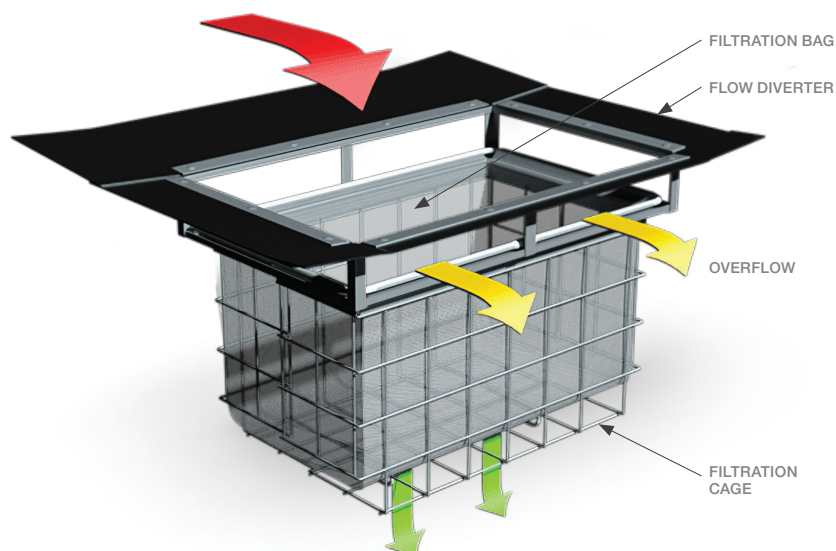
# OceanGuard®

## Gully Pit Basket

The OceanGuard® technology is a gully pit basket designed to fit within new and existing gully pits to remove pollution from stormwater runoff. The system has a choice of filtration liners, designed to remove gross pollutants, solids and other attached pollutants as either a stand-alone technology or as part of a 'treatment train' (with stormwater treatment assets located downstream to provide further treatment).

### How does it work?

- Stormwater enters the OceanGuard® through a kerb inlet and/or grated inlet
- The flow diverter at top of the unit has a rigid high-density polyethylene (HDPE) skirt that is installed against the walls directing all incoming stormwater flows into the filtration bag
- Stormwater is filtered via direct screening through the filtration bag - 100% of incoming pollutants (greater than the opening in the filtration material) are captured and retained
- During large storm events the water elevation in the filtration bag can rise and peak flows are internally bypassed through slots created in the flow diverter which has no moving parts that may prematurely fail
- At the end of the storm event, sediment and debris settle into the base of the filtration bag
- The stored material will be stored in a dry state (until the next storm event), reducing the amount of organic decomposition





## Features

- Flow diverter with static bypass assembly
- Multiple filtration bags from 200micron openings
- Heavy duty filtration cage
- Multiple sizes and configurations
- Removable filtration bags

## Benefits

- Superior pollutant removal with high hydraulic efficiency
- Large pollution storage capacity
- Design flexibility
- Ease of maintenance, with no confined space entry
- Retained pollution stored in a dry state, reducing organic decomposition (and possible nutrient 'leaching')



## Configurations and Applications

The OceanGuard® is available in several standard sizes, designed to fit pits ranging from 450 x 450mm up to 1200 x 1200mm. Custom sizings are also available for larger pits. With the ability to be installed in kerb entry, grated drain and field gully pits, the OceanGuard® is an ideal solution for a wide range of applications such as:

- Commercial, industrial and residential development, infill and redevelopment and stormwater quality retrofit applications
- Special projects, including highways, airports, seaports and military installations
- Pre-treatment for subsequent stormwater treatment assets (e.g. StormFilter®, biofiltration)

## Maintenance

To ensure that each OceanGuard® achieves optimal performance, it is advisable that regular maintenance is performed. Typically, the OceanGuard® requires two to four minor services annually, which includes inspection and removal (and disposal) of retained material. The filter bag may need to be replaced occasionally (and/or works to the support frame undertaken), as required. Speak to the team at Ocean Protect who can help you maintain your OceanGuard®.