



## API Interceptor Hydrocarbon & oil interception



Service stations | Fuelling depots | Vehicle service centres

- Product able to be designed to suit specific application
- Complete unit manufactured in high strength steel reinforced concrete. Superior quality and strength
- Easy access to allow for servicing of unit, manual shut off valve built into system design

### APPLICATION

Many oil interceptors in New Zealand are based on the American Petroleum Institute (API) guidelines and typically utilise a single flow channel with baffles to separate total petroleum hydrocarbons (TPH).

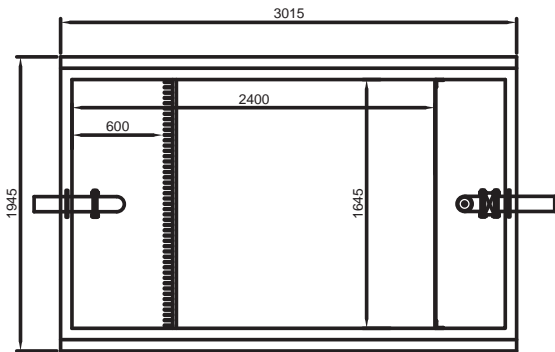
The separation of hydrocarbons from the stormwater runoff is achieved by slowing down a sufficient volume within the oil interceptor, to allow the hydrocarbons to float to the surface and be retained behind a baffle in the oil interceptor.

The Ministry for the Environment (MfE) requires that an API Oil Interceptor should have a minimum capacity of 2,500 litres and should produce a discharge effluent quality of less than 15ppm TPH for droplets greater than 60µm.

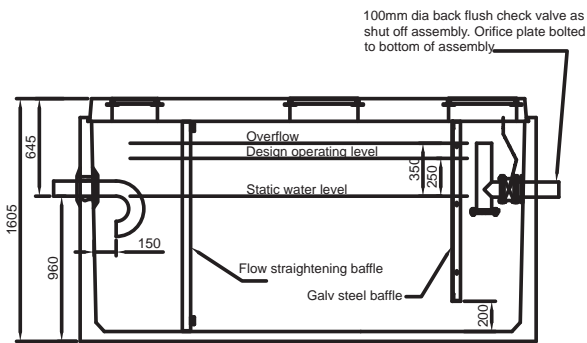
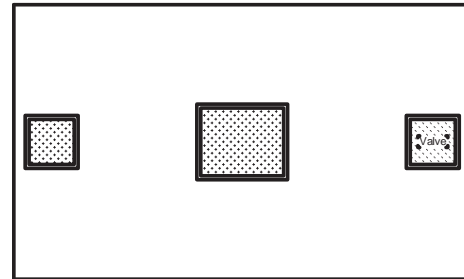
The API Oil Interceptor for up to 180 m<sup>2</sup>, meets the MfE guidelines and is suitable for use at service stations, servicing workshops, and industrial sites.

*Reliable quality and advanced technology*

*Designed to perform*



Plan



Typical Section

This API Separator is designed to contain 2.5 m<sup>3</sup> of hydrocarbons, and separate free oil and water to 15ppm

In case of an accidental spill, the butterfly valve, in the outlet assembly, is to be closed to eliminate the possibility of contaminants entering the stormwater system. The valve must remain closed until the spillage is pumped out. Following pumping out, it is recommended that the tank is cleaned prior to recommissioning. Only then should the valve be reopened.

The API unit must be maintained as part of the site management plan.

The API Separator must be placed on a level and compacted subbase with a safe bearing capacity of at least 100kPa. Following placement check to ensure the lid is still watertight. If any doubt contact Oasis Clearwater Systems for advice.

PLEASE NOTE: This tank is not designed for any traffic loading and must be located in a separate area, protected from vehicle access.

### API Oil Interceptor - API3000

Catchment areas for following rain falls	Capacity for AGO - 3.0m <sup>3</sup>
9mm/hr = 272m <sup>2</sup>	Design flow rate - 2.45 m <sup>3</sup> /hr
12mm/hr = 204m <sup>2</sup>	Orifice size - 25mm
15mm/hr = 163m <sup>2</sup>	



## MANUFACTURING STANDARDS

Precast manufacture is to NZS3101 and 3109 1997.

Concrete design strength - 40mpa.