

# BIG RED<sup>®</sup>

## SOUTH AFRICA'S NEW KID ON THE BLOCK

Brand new, tried and tested **modular waste water treatment plants**

## BIG RED<sup>®</sup> POI (PETROL OIL INTERCEPTOR)

Big Red<sup>®</sup> Interceptors have 2 major functions: **1** Grit collector **2** Petrol Oil Interceptor

POI is designed to retain the maximum spillage as well as storm water runoff that is likely to occur at a fuel station, fuel storage depot, truck stop, or similar location.

The Big Red forecourt separator (POI) is an ideal solution for:

- Fuel stations
- Re-fueling facilities
- Fuel storage depots
- Garages and workshops
- Scrap yards
- Truck stops

Contaminated storm water enters the forecourt separator through the main inlet pipe. The system allows solid particles to settle on the bottom of the tank. It holds the liquid portion of storm water long enough for fuel and oil to separate and rise to the surface. These pollutants are safely retained until they can be extracted according to local regulations.

Forecourt separators are used to capture hydrocarbon pollutants. This would include petroleum and oil, which are then prevented from entering the drainage system.

## HOW IT WORKS

Hydrocarbons such as petroleum and diesel float on the top of water. Our Big Red petrol oil interceptors have 3 separate tanks, each connected with a dip pipe. Contaminated water enters the interceptor after flowing off roads or forecourts and enters into the first tank inside the interceptor. The first tank builds up a layer of the hydrocarbon as well as other scum. Solids sink to the bottom. As more contaminated runoff enters the interceptor, levels rise and cleaner water enters into the second tank, leaving the majority of the hydrocarbon behind as it cannot enter the dip pipe.

However some of the contaminants may by chance enter the second tank but with reduced hydrocarbon loading. As before, the water is pushed into the third tank by fluid dynamics / displacement and the water should be practically clear of any hydrocarbon floating on its surface. Final discharge is again via a dip pipe and the effluent is clean and suitable for safe discharge into the environment.

### FOUR SIZES:

BIG RED **4500L** POI

BIG RED **6000L** POI

BIG RED **7500L** POI

BIG RED **9000L** POI

\*Larger units on request