

## Diesel Dipper®

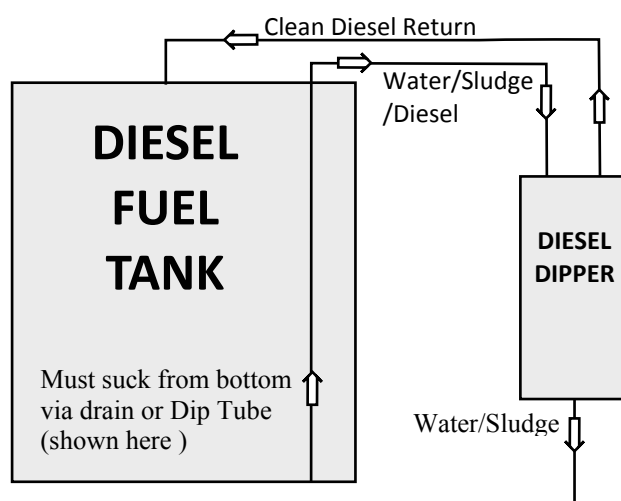
### What is it?

The Diesel Dipper's primary objective is to remove water and initially, sludge from the very bottom of the fuel tank. Used whilst at sea or underway it will ensure all water, debris and sludge is removed where it can be simply drained from the bottom of the unit.

### Why do I need this?

All tanks have sludge and water on the bottom, when you see it in your filters, it has reached the engine fuel suction pipe. The Diesel Dipper sucks from the VERY BOTTOM of the tank, **below** the fuel suction. It will remove all free water and sludge.

1. Have you seen the bottom of your fuel tank? ALL tanks have sludge in the bottom
2. Have you had sludge/water in your filters?
3. It will clean the bottom of your tank whilst you are at sea and remove Diesel Bug



### How does it work?

The Diesel Dipper is a self-contained system independent of the engine. Fitted with a 12 volt pump it sucks from the very bottom of the tank, below the fuel suction. Water and sludge lying on the bottom of the tank is drawn up into a "tank separator" (Patent Pending) where it separates from the diesel and collects on the bottom. This accumulated water and sludge is then periodically drained off into a container. The clean Diesel exits the top of the Separator and flows through a fine washable stainless steel filter before returning to the top of the tank via a tee in the fuel return line.

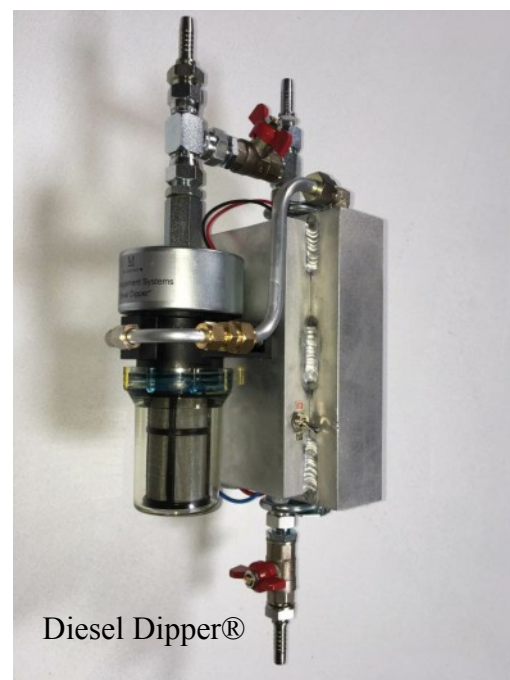
Used whilst the boat is under way any water or sludge that is sloshing about on the bottom of the tank will eventually be drawn into the Dipper

### Specifications

12v, DC, 30 watts, 5A fuse protection. Suction lift 2.5 metres

Weight 3 kg 37 cm(H) x 15 cm (W) x 18 cm (D)

3/8 BSP fittings with 10mm Hose Tails (Supplied)



## Dip Tube Flange

For tanks without a drain, we recommend fitting our Dip Tube Flange to the top of your tank.

Dip Tube Assy



LEFT: The Dip Tube Assembly consists of a metal flange with fixing screws, as pictured. We recommend you seal with Hylomar Blue.

RIGHT: The Dip Tube is a plate with a compression fitting that fixes to the top of the tank allowing a pipe to pass through to the bottom of the tank. The Diesel Dipper then sucks from the top of this pipe.

Shown with aluminium pipe fitted



### Installation Pictures



Above: Dip tube fitted to top of tank

Right: Two dip tubes fitted. One sucking from the bottom, the other returning to the top of the tank.



Dip Tube fitted as suction & return

## Removing the water is only half the solution

Contact Marine 16 for Diesel Fuel Complete (which contains a Biocide) to maintain the fuel and ensure maximum reliability from the engine.

The Marine 16 Diesel Bug Treatment (biocide) has engine manufacturer approval from MTU

