



## Diesel Dipper®

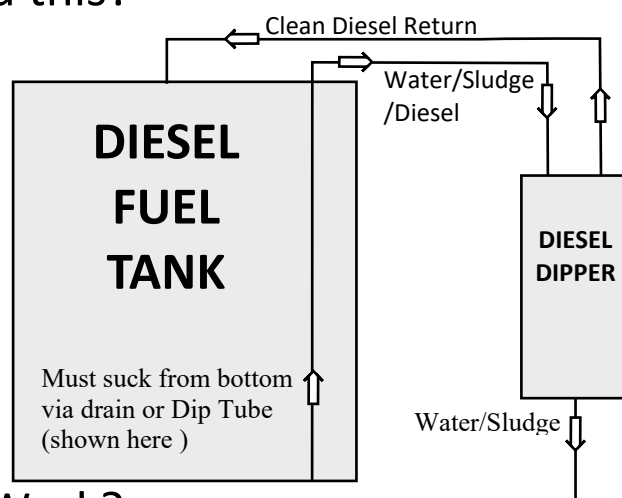
### What is it?

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

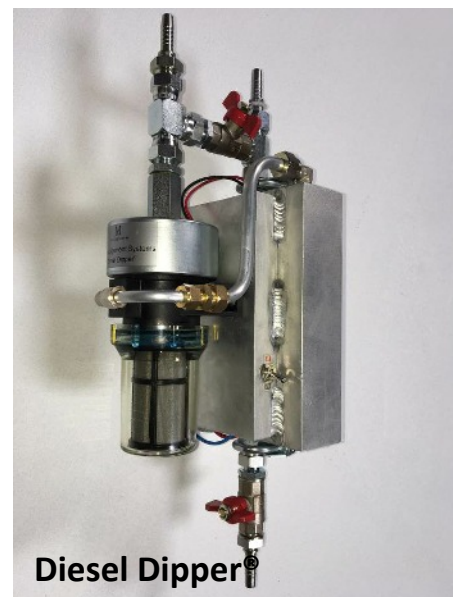


### How Does it Work?

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" (Patented) 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 Diesel Dipper leaving the bottom of the tank completely clean.

**For tanks with excessive sludge, we recommend a pre-strainer to ensure the system is not overloaded when first run.**



### Specifications

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

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

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

## MarShip®

Alderton 2, Priory Park, London Road, Tetbury. GL8 8HZ

Tel: +44 (0) 1666 818 791 E Mail: sales@marship.eu Web: www.marship.eu



## Dip Tube Flange

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



**Dip Tube Flange**

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**

## MarShip® Fuel Management Systems

MarShip® specialise in removing water from diesel and adding fuel treatments to guarantee diesel quality.

### Diesel Dipper®

12v fixed water and sludge removal bypass system

### Diesel Duck®

Portable water removal with high speed sludge removal

### Diesel Drake®

Fully automatic timed water removal for large tanks

## Removing the water is only half the solution

Contact MarShip for DieselAid fuel treatments to maintain the fuel and ensure maximum reliability from the engine.

DieselAid® B has engine manufacturer approval from MTU

