

## Diesel Duck®

### What is it?

Designed for the marine industry to allow fuel cleaning without the need to remove the fuel from the vessel, the Diesel Duck® is a fully portable and self-contained diesel dewatering and fuel cleaning system. It will remove free water, sludge and other contaminants from your fuel **at your location.**

### Why do I need this?

***ALL** tanks have sludge and water on the bottom. The Diesel Duck® will remove sludge and diesel bug*

1. Are you a business offering fuel tank dewatering and cleaning?
2. Are you a marina looking to offer berth holders an additional service by renting this out?
3. Do you drain your fuel tank very regularly?



Diesel Duck® with accessories case



Diesel Bug & Sludge



Diesel Duck® in operation

## Specification

<b>Power Supply:</b>	Fitted 12v 7 a/h rechargeable battery with trickle charger/external power plug
<b>Nominal Wattage:</b>	30w dewatering, 75 w tank cleaning
<b>Electrical Protection:</b>	Fuses, 1 amp Electronics, 10 amp motors, 10A external battery
<b>Flow Rate:</b>	2.5l/min dewatering. Up to 15 l/min cleaning
<b>Suction Lift:</b>	2.5m
<b>Suction Strainer:</b>	170 micron washable 316 stainless steel
<b>Return Filter:</b>	10 or 2 micron optional spin on type when fitted
<b>Water Removal:</b>	Free water ... automatically pumped out. Emulsified water ... Optional water block filter
<b>Indicator Lights:</b>	Power, dewatering, polishing, manual drain, low battery, internal leak, filter block
<b>Safety Shutdown:</b>	Low battery, internal leak, blocked external return filter
<b>Controls:</b>	Power on/off, dewatering/cleaning change over, manual drain, hour meter
<b>Weight &amp; Dims:</b>	11 kg (approx) 390mm H, 500mm W, 190mm D

### How does water get into my tank?

All fuel contains water, FACT. How does it get there? Many ways. Often water is present in the fuel when delivered. Condensation can form in tanks, even more so when conditions fluctuate between cold to warm (is your tank south facing?) Bio-diesel, which is made with water and is 30 times more hygroscopic, meaning it actually absorbs water from the air. Water sinks to the bottom of the tank, so it's the first thing that is sucked into the engine when you start it.

### Why do I need to remove water?

Some manufacturers may refuse warranty claims on fuel related breakdowns due to poor quality modern fuel which is saturated with water.

Furthermore, the water contributes to the accelerated degradation of the diesel and creates acids.

**The average cost of a fuel related breakdown is estimated at up to £1500.**

By removing the water you are removing the breeding ground for diesel- bugs. Diesel bug is the collective term for the yeast, mould and bacteria that live in the water and feed of the fuel above.

These bacteria double in number every 20 minutes. They live for about 18 hours, excreting waste all of the time, until they die leaving a sludge at the bottom of your

### Simple to use - quick release fuel couplings

Don't let the diesel bug spoil your day. Our simple to use portable de- watering unit will ensure that water and contaminants are removed from your fuel.

Once you have removed the water we strongly recommend using our fuel stabilising treatment to demulsify, add lubrication and improve the cetane number (cetane is the first additive to degrade). It also contains a biocide and detergent to ensure your fuel is maintained in optimum condition.

*Diesel Duck® removes water from fuel*

.... Like water off a duck's back!



**Diesel Bug in a Filter**

