



AQUAFIGHTER®

KEEPS FUEL
WATER-FREE
FROM INSIDE
THE TANK

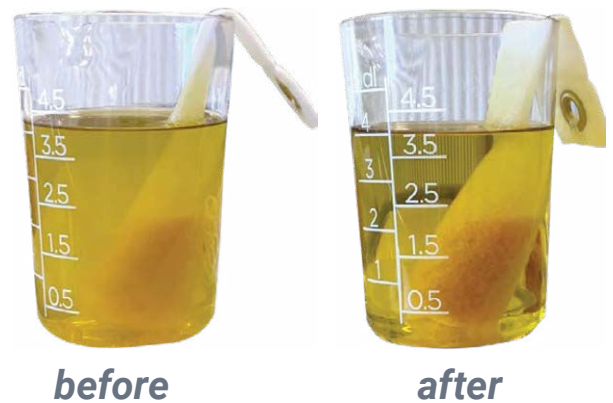


KEEPS DIESEL FUEL WATER-FREE FROM INSIDE THE TANK

A true revolution in fuel quality management and fuel tank maintenance.

AquaFighter® is an active tank treatment that removes emulsified water from diesel and biodiesel blended fuel. This is a simple, cost-effective solution to keep fuel tanks free from the problems associated with water in fuel tanks. Install an **AquaFighter®** into your fuel storage tank and with minimum maintenance you can ensure that the water ppm within your fuel remains on-specification and well below saturation levels.

- ✓ Long-term & short-term savings on maintenance and capital equipment
- ✓ Demulsifies diesel & biodiesel blends by maintaining water level within fuel specification in the tank at all times
- ✓ Protects fuel tank from microbial growth, corrosion and other related damages due to water accumulation
- ✓ Non-toxic, safe to handle and safe for the environment
- ✓ Stops the domino-effect of water damage from the tank through the fuel system to the engine



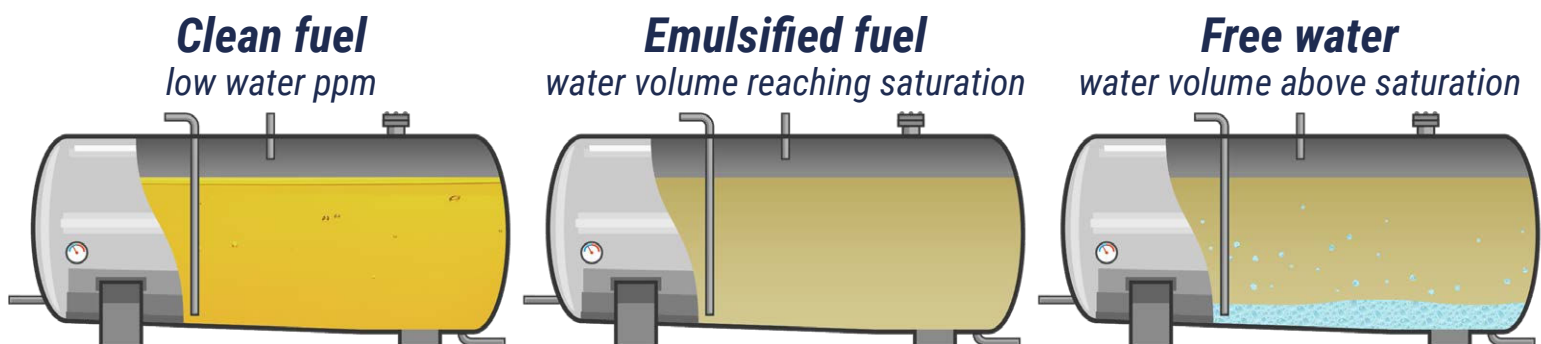
WATER IS THE ENEMY OF STORED FUEL

Aquafighter® will protect your fuel and tank from excess water that is generated over time.

Presence of water in a diesel tank is inevitable. This is an everyday battle, independent of tank size and where ever you are in the world. Free and entrained water is generated in your tank through air condensation, fuel supply, ineffective filtration, leaks, accidents and improper system design. In normal operation the fuel in your tank will contain a quantity of water entrained within it, usually expressed in ppm.

The volume of entrained water will vary depending on atmospheric humidity, supply quality and fuel type, for example biodiesel, which is naturally hygroscopic, meaning it attracts water. As the percentage of water increases toward the saturation point of that fuel, the water may form an emulsion (cloudy appearance) before water is eventually released from the fuel.

This free water is more dense than fuel and falls to the bottom of the tank. When free water is allowed to accumulate in your tank it provides the conditions for Microbial Contamination ("diesel bug") to grow, leading to significant problems including blocked filters, pump damage, engine failures, tank corrosion and poor fuel efficiency.



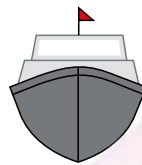
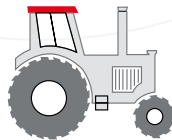
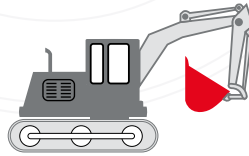
How does Aquafighter® work in the fuel tank?

Aquafighter® is effective in reducing and removing water inside the fuel tank. This is accomplished through 3 indispensable actions that are necessary to achieve the desired fuel purity and consequently provide tank protection:

- 1 Demulsifies water** by physico-chemical adsorption of water molecules to less than 65ppm total fuel water content with maximum efficiency. (**Aquafighter®** causes water to release naturally from fuel and it achieves this without adding to or altering the fuel, unlike certain fuel additives would do. After market additives can cause corrosion themselves)
- 2 Attracts & Captures water** immediately upon release from the fuel molecules
- 3 Isolates water** in its protective gel to permanently segregate it from the fuel & tank environment so your fuel & tank is protected at all times. (**Aquafighter®** will encapsulate the water preventing corrosion, microbial growth & re-emulsification until it is removed from the tank)

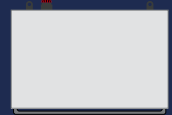
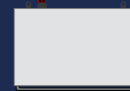
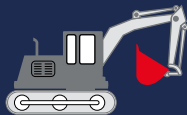
Finger

	Finger
Part No / SKU	999.020
Length	200mm (8")
Width	40mm (1.5")
Capacity	200ml (7 fl oz)
Dry Weight	70g (2.5 oz)
Dry Weight w/Packaging	150g (5.3 oz)
Recommended tank size	0-500 L



- The compact filter for smaller size tanks
- Designed for small machines and tanks under 100 L (25 US gal) with openings between 38-90mm (1.5-3.5")

AquaFighter® tank opening & product fit guide



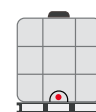
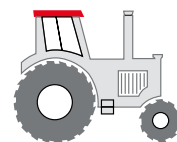
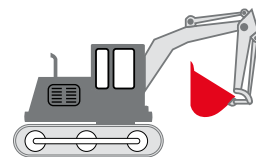
Tank Capacity	0-100 L	100-500 L	500-1000 L	1000-1500 L	1500-2000 L	2000-5000 L	5000-10000 L	10000-15000 L	15000-20000 L	20000-30000 L	30000+ L
Tank Opening	0-25 US gal	25-125 US gal	125-250 US gal	250-400 US gal	400-525 US gal	525-1250 gal	1250-2500 gal	2500-4000 gal	4000-5250 gal	5250-8000 gal	8000+ gal
38-90mm 1.5-3.5"	Finger (0-12 months)					<ul style="list-style-type: none"> ▪ Check the opening size of the tank first, and then the capacity of the tank. Choose an AquaFighter that suits your maintenance schedules. ▪ The period shown is the maximum time that the AquaFighter should be left in place between changes. ▪ These are estimates and needs could differ based on fuel quality, tank conditions and fuel quantity. 					
50-100mm 2-4"	Finger (0-12 months)	Snake (0-12 months)	Snake (0-6 months) Twin Snake (0-12 months)	Snake (0-4 months) Twin Snake (0-8 months) Triple Snake (0-12 months)	Snake (0-3 months) Twin Snake (0-6 months) Triple Snake (0-9 months) Quad Snake (0-12 months)						
90-150mm 3.5-6"	Anaconda (0-24 months)					Anaconda (0-12 months)	Anaconda (0-6 months) Twin Anaconda (0-12 months)	Anaconda (0-4.5 months) Twin Anaconda (0-9 months)	Anaconda (0-3 months) Twin Anaconda (0-6 months)		

▼▼▼ SPECIAL ORDER PRODUCTS ▼▼▼

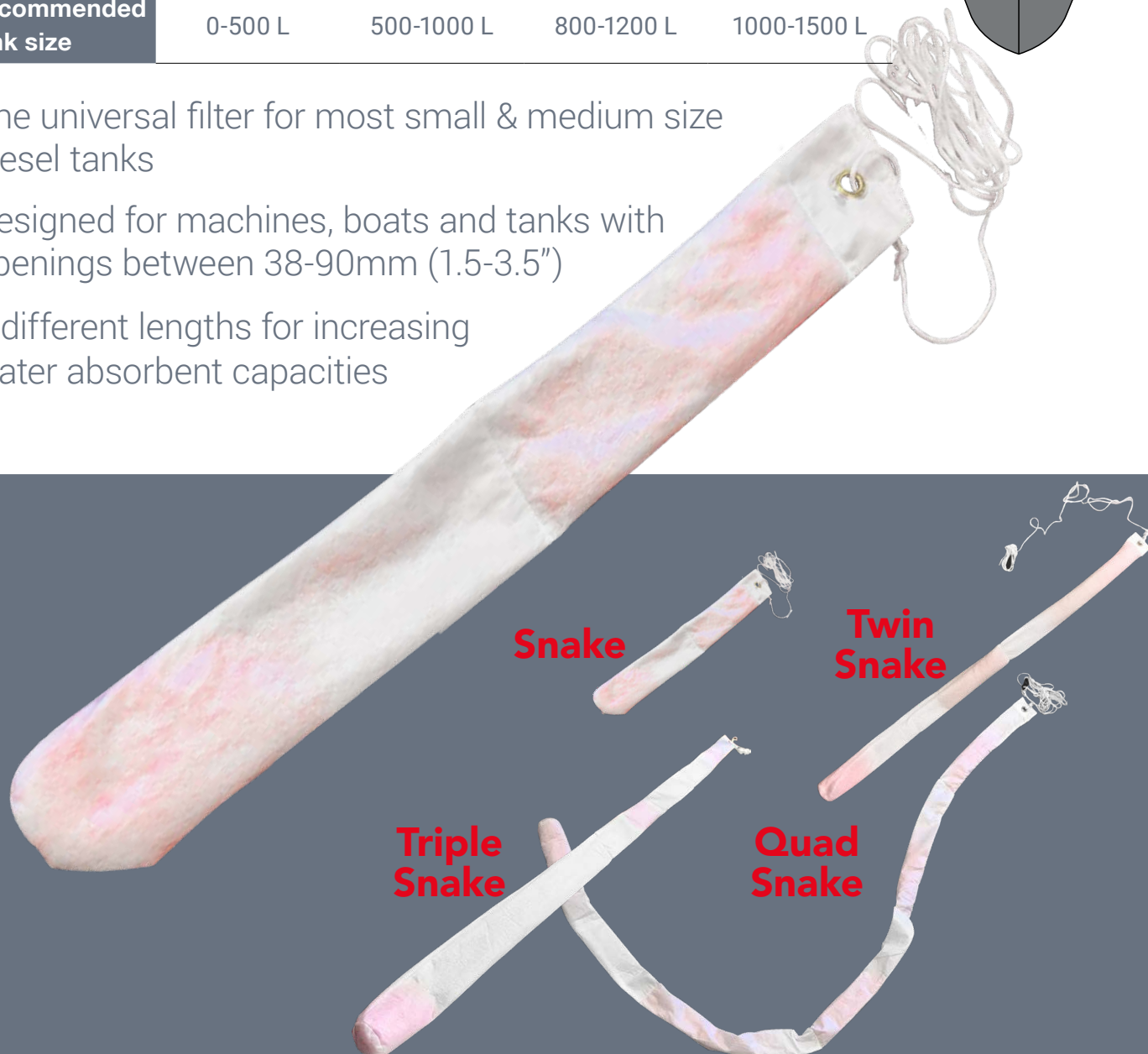
150-300mm 6-12"	Medium Canvas (0-12 months) Large Canvas (0-24 months)	Medium Canvas (0-6 months) Large Canvas (0-12 months)	Large Canvas (0-6 months)	Large Canvas (0-4.5 months)	Large Canvas (0-3 months)		
300-600mm 12-24"	Large Canvas (0-24 months)	Large Canvas (0-12 months)	Large Canvas (0-6 months)	Large Canvas (0-4.5 months)	Large Canvas (0-3 months)	Fuel Station Mat (0-12 months)	2+ Fuel Station Mats (0-12 months)
600mm+ 24"+					Fuel Station Mat (0-24 months)		
					Depot		

Snake

	Snake	Twin Snake	Triple Snake	Quad Snake
Part No / SKU	999.026	999.027-1	999.027-2	999.027-3
Length	500mm (20")	1000mm (39")	1500mm (59")	2000mm (79")
Width	40mm (1.5")	40mm (1.5")	40mm (1.5")	40mm (1.5")
Capacity	500ml (17 fl oz)	1 L (34 fl oz)	1.5 L (50 fl oz)	2 L (68 fl oz)
Dry Weight	190g (6.7 oz)	255g (9 oz)	310g (11 oz)	360g (12.7 oz)
Dry Weight w/Packaging	260g (9 oz)	340g (12 oz)	390g (13.8 oz)	440g (15.5 oz)
Recommended tank size	0-500 L	500-1000 L	800-1200 L	1000-1500 L

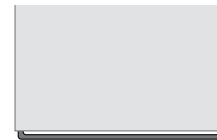
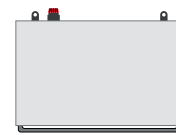
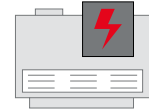


- The universal filter for most small & medium size diesel tanks
- Designed for machines, boats and tanks with openings between 38-90mm (1.5-3.5")
- 4 different lengths for increasing water absorbent capacities



Anaconda

	Anaconda	Twin Anaconda
Part No / SKU	999.028	999.040
Length	1500mm (59")	3000mm (118")
Width	90mm (3.5")	90mm (3.5")
Capacity	4 L (135 fl oz)	8 L (270 fl oz)
Dry Weight	510g (18 oz)	650g (23 oz)
Dry Weight w/Packaging	630g (22.2 oz)	775g (27.3 oz)
Recommended tank size	0-20000 L	0-20000 L



- Larger capacity filter for medium & large size diesel tanks with larger openings
- Designed for machines and tanks with openings of at least 90mm (3.5")
- 2 different lengths for increased water absorbent capacities



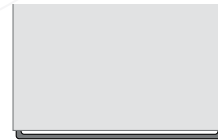
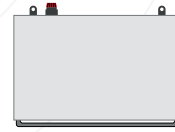
Anaconda

Twin Anaconda



Canvas

	Medium Canvas	Large Canvas
Part No / SKU	999.021	999.022
Length	350mm (14")	700mm (28")
Width	270mm (11")	270mm (11")
Capacity	2.5 L (85 fl oz)	4 L (135 fl oz)
Dry Weight	450g (16 oz)	960g (34 oz)
Dry Weight w/Packaging	575g (20.3 oz)	1090g (38.4 oz)
Recommended tank size	500-5000 L	5000-10000 L



- Large capacity filter for diesel storage tanks with large openings
- Designed for tanks with openings of at least 120mm (4.75")
- 2 different lengths for increased water absorbent capacities

Medium Canvas

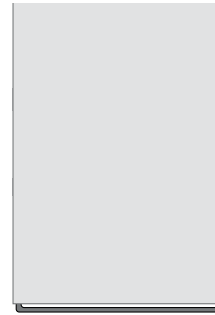


Large Canvas



Fuel Station Mat & Depot

	Fuel Station Mat	Depot
Part No / SKU	999.042	999.030
Length	2000mm (79")	8000mm (315")
Width	1000mm (39")	500mm (20")
Capacity	40 L (10.5 US gal)	60 L (15 US gal)
Dry Weight	2800g (99 oz)	
Dry Weight w/Packaging	3200g (113 oz)	11110g (392 oz)
Recommended tank size	> 15000 L	



- Extra large capacity for larger tanks, fuel stations, depot and terminal tanks with manhole access
- Designed for fuel storage tanks with manhole openings of at least 300mm (12")
- Aquafighter Depot is designed to be suspended vertically in tanks that are at least 9000mm high

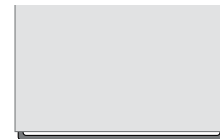
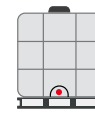
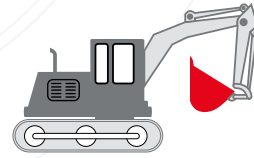


Fuel Station Mat

Depot

Dipstick Indicator

	Dipstick Indicator	Refills (pack of 5)
Part No / SKU	999.023	999.024
Length	200mm (8")	700mm (28")
Width	40mm (1.5")	270mm (11")
Capacity	100ml (3.5 fl oz)	4 L (135 fl oz)
Dry Weight	135g (4.75 oz)	150g (4.75 oz)
Dry Weight w/Packaging	150g (5.3 oz)	170g (6 oz)



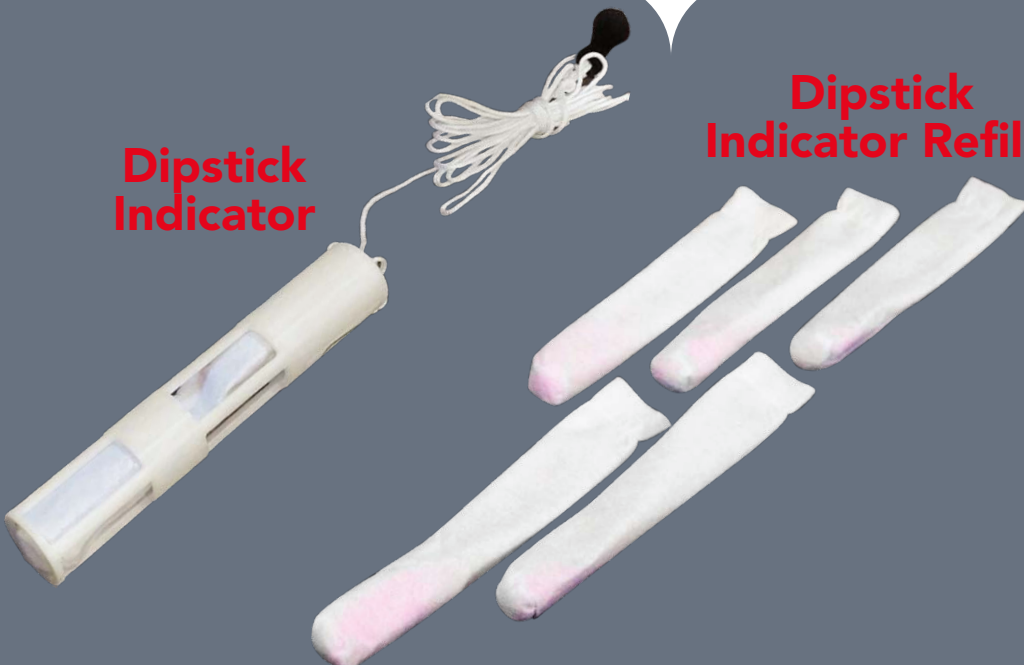
- Used to assess whether emulsified/bound water is present in diesel fuel tanks
- Designed for tanks with dipstick tubes or top openings of at least 44mm (1.75")
- Dipstick indicator refills supplied in packs of 5

AquaFighter® Dipstick indicator is primarily intended to provide the user with a reliable indication on whether the diesel fuel tank contains excessively high levels of water. The indicator is lowered vertically down through a tank dipstick tube, or other opening and left for a short time before inspection.



Dipstick Indicator

Dipstick Indicator Refills



MICROBIAL CONTAMINATION IN FUEL

If you're a user or supplier of diesel fuels, contamination can pose a serious threat to your business.

Microbial contamination, in particular, is almost always present in fuels to some degree. Left unchecked for too long, it can do serious harm to engines and tanks, and even cause leaks and environmental damage. Diesel "bug" microbial contamination creates a slime called a biofilm or biomass that can induce several issues. If left for a prolonged period of time without treatment, it can cause:

- Blocked filters
- Increased injector wear
- Increased fuel consumption
- Fuel starvation
- Less efficient engine operation
- Engine failures
- Corrosion and tank leakage



HOW DO YOU MANAGE THE RISKS OF FUEL CONTAMINATION?



A single case of fuel contamination, if left unchecked, can easily cost hundreds of thousands of pounds/dollars in damages and remedial activities. Basic fuel maintenance, in comparison, costs relatively little—so it makes good business sense to do these activities. To minimise the risks, there are three key activities you need to do:

- Keep your fuel tanks water free
- Manage your fuel supply chain
- **Test for fuel contamination regularly...**

NEW

FUELSTAT®
Conidia Bioscience

FUELSTAT[®]One

- The ultra-simple test that just requires **4 drops** of extracted sample
- **Quantitative** result in **30 mins** as opposed to 4-7 days!
- **'Test at the tank'** technology - no laboratory required
- No requirement for additional **equipment** or **sterility measures**



In critical times, you need a fast, convenient testing method - one that doesn't require multiple people to complete the process. Using FUELSTAT®, a single person can conduct tests at the tank after minimal training from our instructional videos. The FUELSTAT® One test is based on protein-ligand complex formation, targeting a mix of carbohydrates from a broad range of micro-organisms found in fuels, in a simple, rapid lateral flow test. Just as a Covid-19 lateral flow test searches for markers of Covid-19 infection, FUELSTAT® One searches for the markers of bacteria and fungi that can grow in jet and diesel fuel and can potentially cause both operational downtime, corrosion and in worse case safety issues.

**collect fuel sample
from fuel tank**



**once settled,
extract into test bottle**



**put 4 drops
into test well**



**wait 15-20 mins
scan results**



ASTM D6469 Standard Guide for Microbial Contamination in Fuels and Fuel Systems:

- ✓ "Test samples within 4h-24h": FUELSTAT enables **testing in 30 minutes**
- ✓ "Samples must be transported on ice to offsite laboratories":
'Test at the tank' technology, so **no special transport requirements**



ConidiaBioscience

Who we are:

Conidia Bioscience manage the global distribution of Aquafighter®. FUELSTAT® fuel tests are developed, manufactured and marketed by Conidia Bioscience. Based in UK, Conidia Bioscience was founded in the early 2000's by experts in fuel microbial contamination testing and holds the internationally patented intellectual property for FUELSTAT®.

Where to find us:

Aquafighter® and FUELSTAT® are exclusively available from Conidia Bioscience and are distributed globally through a network of distributor partners covering the major sectors. To arrange for a distributor to support you simply contact info@conidia.com.



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