



**WASP**®   
Pure Fuel Systems

# WASP Fuel Pumps Fuel Additives Oil Change Systems Catalogue

Rev 1501

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The information contained in this catalogue is correct to the best of our knowledge; however always check with WASP PFS Ltd for the precise data relating to any given product.

Occasionally products are updated or have subtle re-designs. Given we produce a catalogue ever year to eighteen months; it is not always possible to include these changes. Speaking to WASP PFS Ltd is always the easiest way to ensure you have the latest information. Alternately you can visit our web site at [www.wasp-pfs.com](http://www.wasp-pfs.com)

Information in this document is for reference only, E&OE.

All sizes and weights are approximate.

Note: The manufacturer reserves the right to change or amend specifications without notice.

## Range Overview

### Fuel Pumps

Model	Flow*	Voltage	Current	Pressure	Ports	Weight
W-GPDC-08-12vdc	8 l/m	12v DC	3.2 a	1.5 bar	3/8" BSP	1.2 kg
W-GPDC-08-24vdc	8 l/m	24v DC	1.6 a	1.5 bar	3/8" BSP	1.2 kg
W-GPAC-12-220vac	10 l/m	220v AC (0.12kw)	0.9 a	6 bar	3/8" BSP	4.6 kg
W-GPDC-14-12vdc	14 l/m	12v DC	10 a	6 bar	3/8" BSP	1.5 kg
W-GPDC-14-24vdc	14 l/m	24v DC	5 a	6 bar	3/8" BSP	1.5 kg
W-GPDC-18-12vdc	18 l/m	12v DC	11.5 a	7 bar	3/8" BSP	1.5 kg
W-GPDC-18-24vdc	18 l/m	24v DC	5.5 a	7 bar	3/8" BSP	1.5 kg
W-GPDC-26-12vdc	26 l/m	12v DC	15 a	2 bar	1/2" BSP	3.1 kg
W-GPDC-26-24vdc	26 l/m	24v DC	7.5 a	2 bar	1/2" BSP	3.1 kg
W-GPAC-28-220vac	28 l/m	220v AC (0.55kw)	3.8 a	4 bar	1/2" BSP	10.6 kg
W-GPDC-40-12vdc	40 l/m	12v DC	19 a	2.5 bar	1/2" BSP	4.3 kg
W-GPDC-40-24vdc	40 l/m	24v DC	11 a	2.5 bar	1/2" BSP	4.3 kg
W-VPDC-45-12vdc	45 l/m	12v DC	15 a	1.2 bar	25mm	2 kg
W-VPDC-45-24vdc	45 l/m	24v DC	7.5 a	1.2bar	25mm	2 kg
W-VPAC-45-220ac	45 l/m	220vac (0.87kw)	4.5a	8 bar	1" BSP	10 kg
W-VPAC-60-220vac	60 l/m	220vac (1.1kw)	5.5 a	8 bar	1" BSP	14.5 kg

\* Flow rate can be affected by external factors (eg head, lift)

### Liquid Fuel Additives

Model	Size	Dosing Ratio Preventative	Dosing Ratio Moderate	Dosing Ratio Heavy Contamination
WASP Biokem SP15	50ml	10,000:1	5,000:1	3,000:1
	250ml			
	5 litres			
WASP FTR	50ml	4,000:1	-	2,000:1
	250ml			
	5 litres			
Kathon FP15	5 Litres	10,000:1	5,000:1	3,000:1

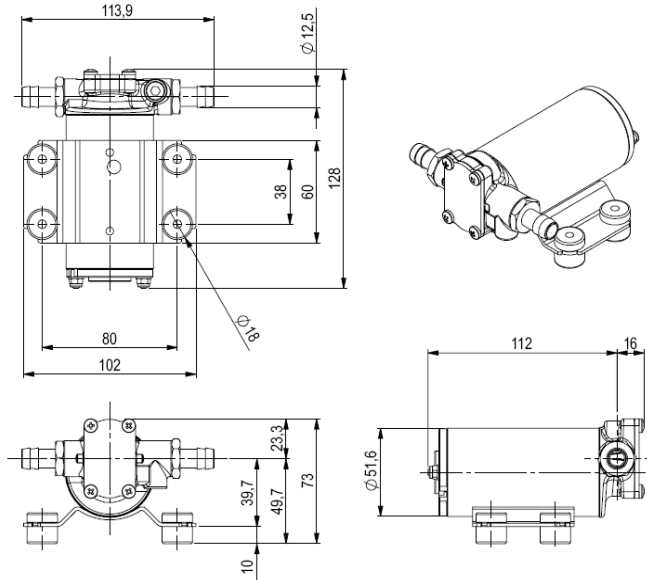
Dip slides (see product pages for more information)

### Oil Change Systems

Model	Voltage	Number of ports	Oil flow rate	Port Size
GP-3013-24v	24v dc*	3	15 lit/min max	½" BSP
GP-3014-24v	24v dc*	4		
GP-3015-24v	24v dc*	5		
GP-3016-24v	24v dc*	6		

\* 12v DC available on request

### W-GPDC-08 (12 and 24v DC)



### Technical Specifications

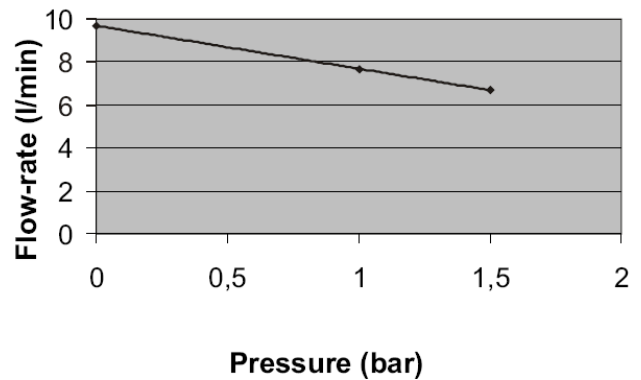
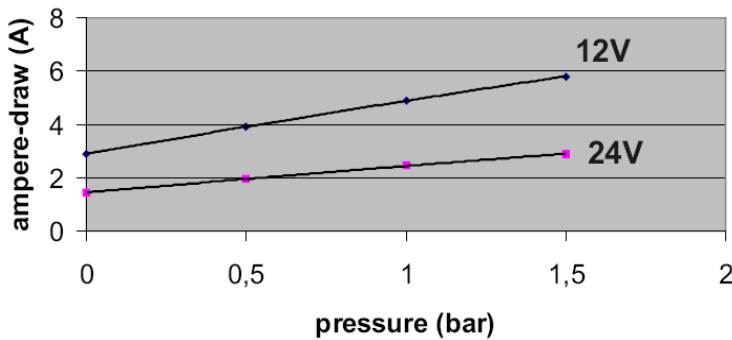
Model: W-GPDC-08-12vdc  
 Power: 12v DC  
 Fuse: 7.5a

Model: W-GPDC-08-24vdc  
 Power: 24v DC  
 Fuse: 7.5a

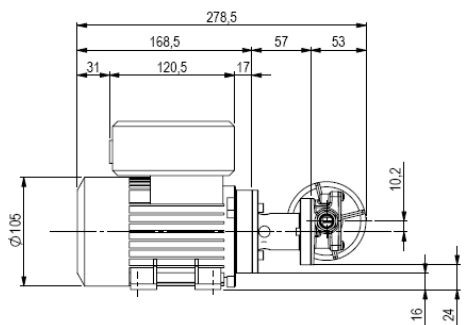
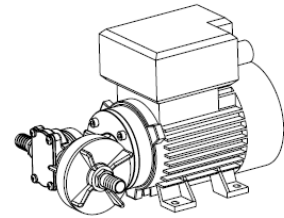
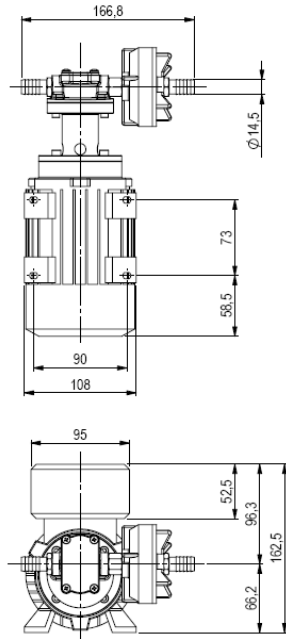
Flow rate: 10lit/min max (8lit/min typical)  
 Operating pressure: 1.5 bar  
 Weight: 1.2 kg  
 Operating temp.: Min -10°C Max +40°C  
 Operating humidity: Max 90%  
 Protection: IP65  
 Max lift: 1.5m  
 Port thread size: 3/8" BSP  
 Life: Replace the brushes in this pump every 500/700 hrs

Allowed liquids: Diesel fuel with viscosity between 2 and 5.35cSt (at 37.8 °C) min flashpoint (PM) 55 °C  
 Fresh water  
 Sea water

Prohibited liquids:  
 Petrol/Gasoline  
 Flammable liquids with PM below 55 °C  
 Liquids with a viscosity above 20cSt  
 Foodstuffs  
 Corrosive chemical products  
 Solvents



### W-GPAC-12-220vac

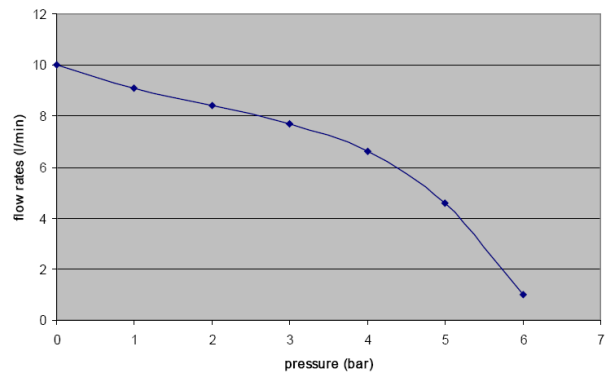
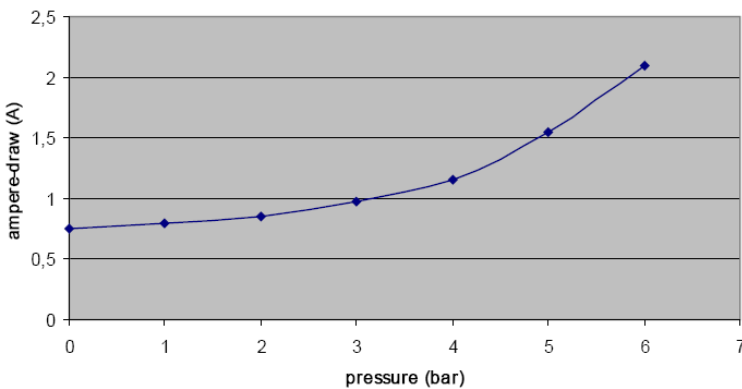


### Technical Specifications

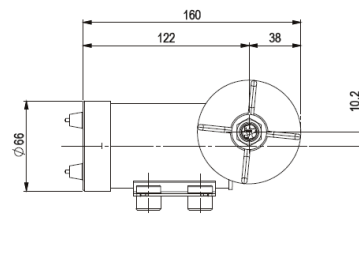
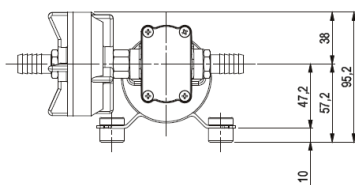
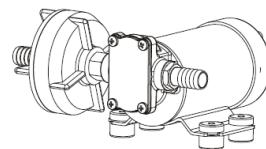
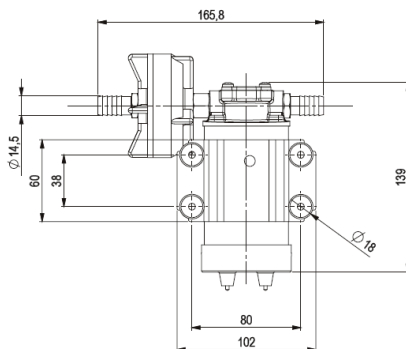
Model	W-GPAC-12-220vac
Power	220v Ac 50Hz - 0.12kw
Fuse	1.2a
Flow rate	10lit/min max
Operating pressure	6 bar
Weight	4.6 kg
Operating temp.	Min -10°C Max +60°C
Operating humidity	Max 90%
Protection	IP55
Max lift	1.5m
Port thread size	3/8" BSP

Allowed liquids: Diesel fuel with viscosity between 2 and 5.35cSt (at 37.8 °C) min flashpoint (PM) 55 °C  
 Fresh water  
 Sea water

Prohibited liquids:  
 Petrol/Gasoline  
 Flammable liquids with PM below 55 °C  
 Liquids with a viscosity above 20cSt  
 Foodstuffs  
 Corrosive chemical products  
 Solvents



### W-GPDC-14 (12 and 24v DC)



### Technical Specifications

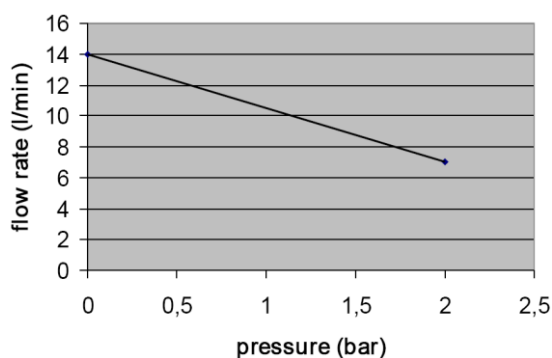
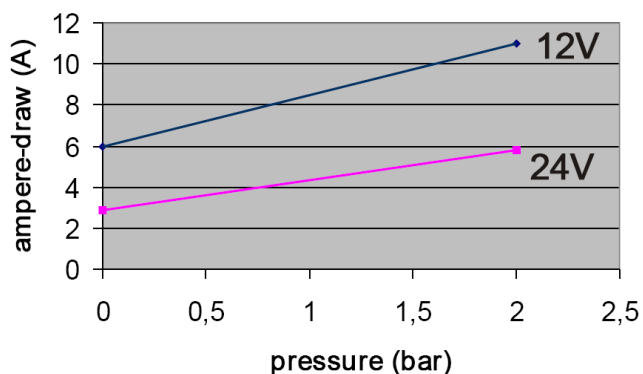
Model W-GPDC-14-12vdc  
 Power 12v DC  
 Fuse 10a

Model W-GPDC-14-24vdc  
 Power 24v DC  
 Fuse 5a

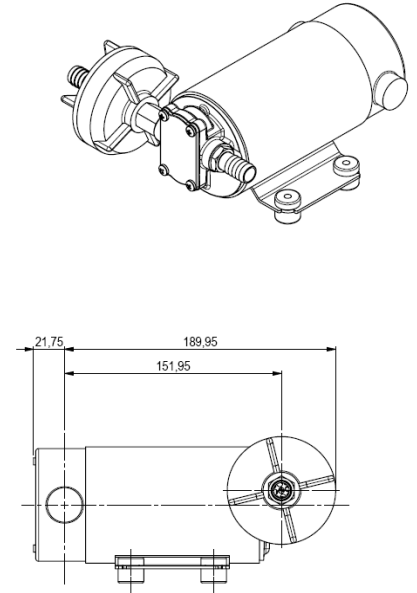
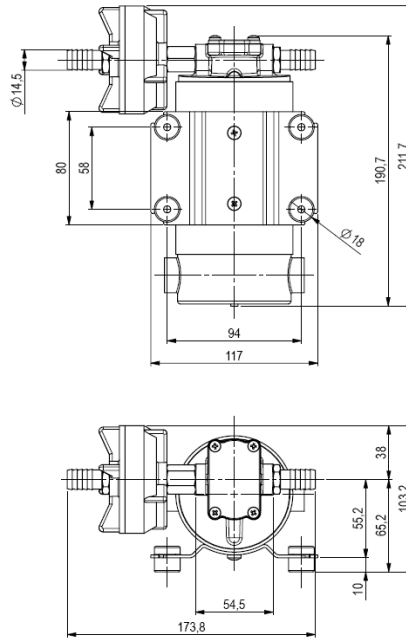
Allowed liquids: Diesel fuel with viscosity between 2 and 5.35cSt (at 37.8 °C) min flashpoint (PM) 55 °C  
 Fresh water  
 Sea water

Flow rate 14 lit/min max  
 Operating pressure 2 bar  
 Weight 1.5 kg  
 Operating temp. Min -10°C Max +60°C  
 Operating humidity Max 90%  
 Protection IP55  
 Max lift 1.5m  
 Port thread size 3/8" BSP (or hose tails as above)  
 Life: Replace the brushes in this pump every 500/700 hrs

Prohibited liquids:  
 Petrol/Gasoline  
 Flammable liquids with PM below 55 °C  
 Liquids with a viscosity above 20cSt  
 Foodstuffs  
 Corrosive chemical products  
 Solvents



### W-GPDC-18 (12 and 24v DC) High pressure pump



### Technical Specifications

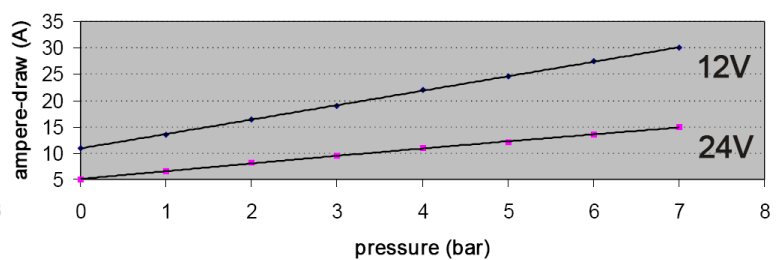
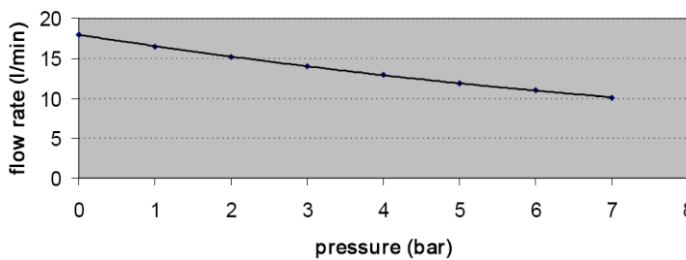
Model W-GPDC-18-12vdc  
 Power 12v DC  
 Fuse 30a

Model W-GPDC-18-24vdc  
 Power 24v DC  
 Fuse 20a

Flow rate 18 lit/min max  
 Operating pressure 7 bar  
 Weight 3.8 kg  
 Operating temp. Min -10°C Max +60°C  
 Operating humidity Max 90%  
 Protection IP55  
 Max lift 4m  
 Port thread size 3/8" BSP (or hose tails as above)  
 Life: Replace the brushes in this pump every 500/700 hrs

Allowed liquids: Diesel fuel with viscosity between 2 and 5.35cSt (at 37.8 °C) min flashpoint (PM) 55 °C  
 Fresh water  
 Sea water

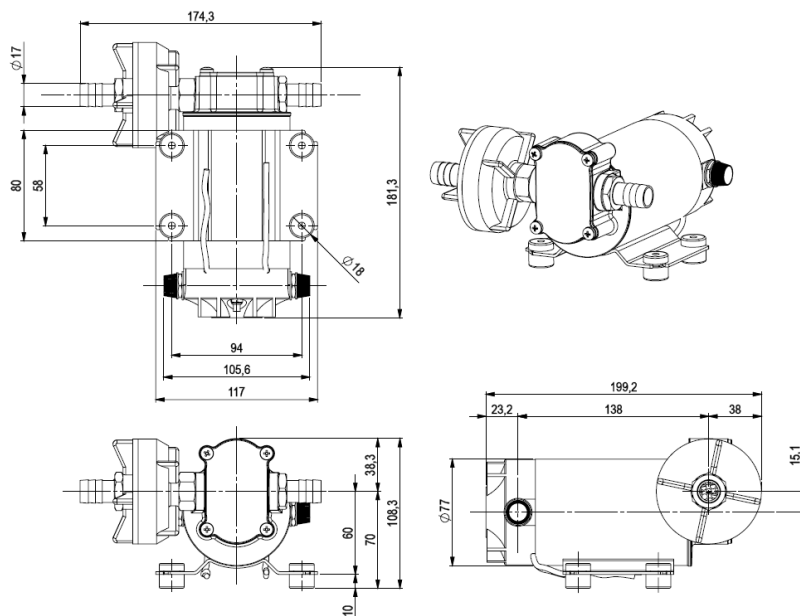
Prohibited liquids:  
 Petrol/Gasoline  
 Flammable liquids with PM below 55 °C  
 Liquids with a viscosity above 20cSt  
 Foodstuffs  
 Corrosive chemical products  
 Solvents





### W-GPDC-26 (12 and 24v DC)

W-GPDC-26  
 Shown here with  
 optional input strainer

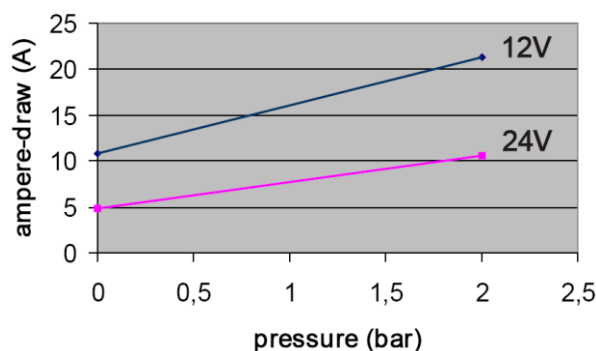
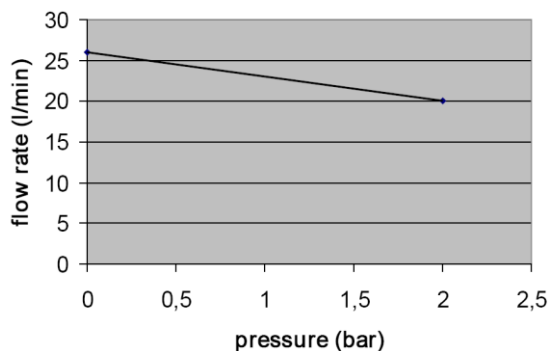


### Technical Specifications

Model	W-GPDC-26-12vdc
Power	12v DC
Fuse	15a
Model	W-GPDC-26-24vdc
Power	24v DC
Fuse	7.5a
Flow rate	26 lit/min max
Operating pressure	2 bar
Weight	3.1 kg
Operating temp.	Min -10°C Max +60°C
Operating humidity	Max 90%
Protection	IP55
Max lift	1.5m
Port thread size	1/2" BSP (or hose tails as above)
Life:	Replace the brushes in this pump every 500/700 hrs

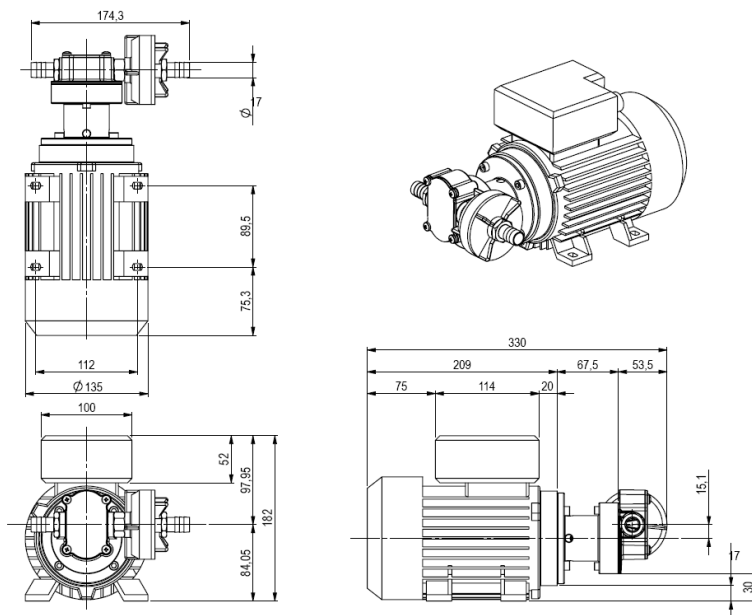
Allowed liquids: Diesel fuel with viscosity between 2 and 5.35cSt (at 37.8 °C) min flashpoint (PM) 55 °C  
 Fresh water  
 Sea water

Prohibited liquids:  
 Petrol/Gasoline  
 Flammable liquids with PM below 55 °C  
 Liquids with a viscosity above 20cSt  
 Foodstuffs  
 Corrosive chemical products  
 Solvents





### W-GPAC-28-220vac

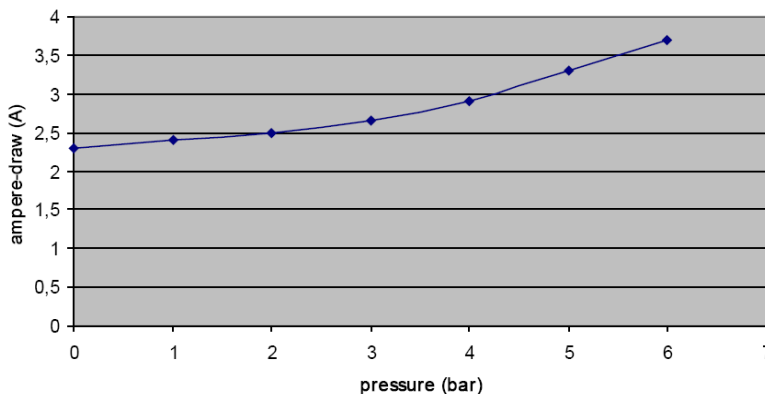
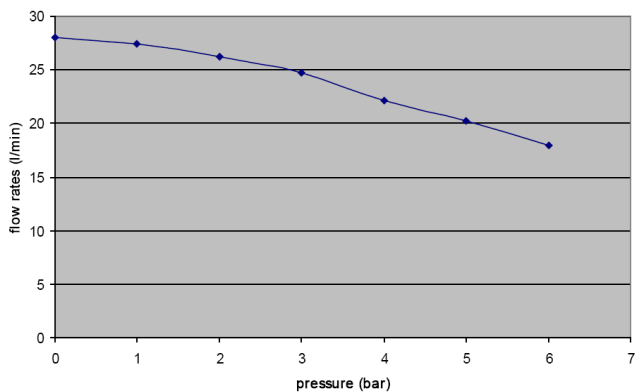


### Technical Specifications

Model	W-GPAC-28-220vac
Power	220v Ac 50 Hz 1 phase
Fuse	3a
Fuel rate	28lit/min
Operating pressure	4 bar
Weight	10.6kg
Operating temp.	Min -10°C Max +60°C
Operating humidity	Max 90%
Protection	IP55
Max lift	1.5m
Port thread size	½" BSP

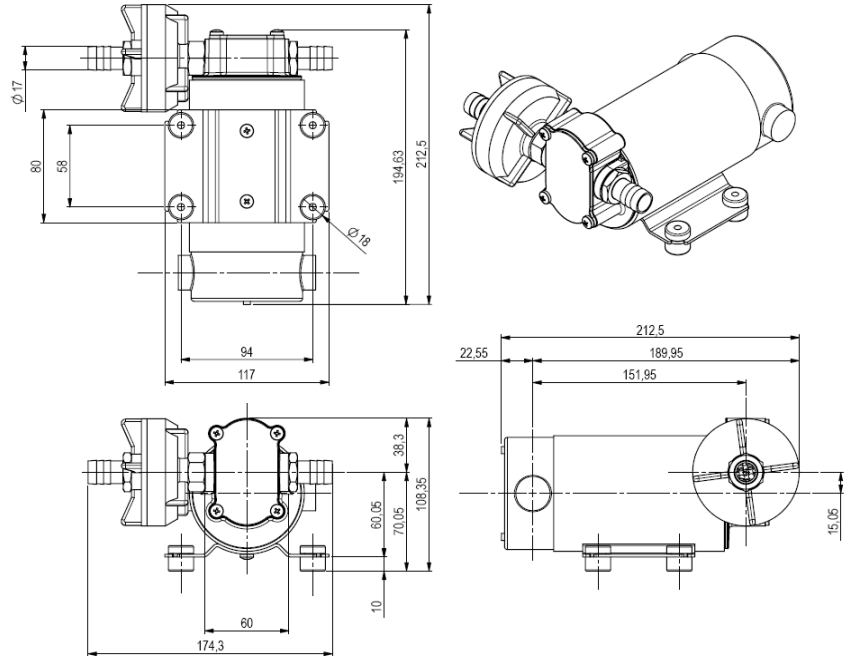
Allowed liquids: Diesel fuel with viscosity between 2 and 5.35cSt (at 37.8°C) min flashpoint (PM) 55°C  
 Fresh water  
 Sea water

Prohibited liquids:  
 Petrol/Gasoline  
 Flammable liquids with PM below 55°C  
 Liquids with a viscosity above 20cSt  
 Foodstuffs  
 Corrosive chemical products  
 Solvents



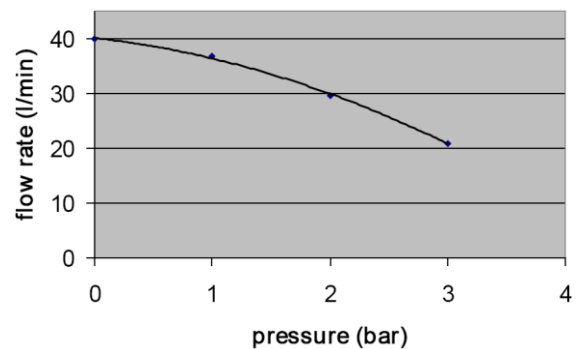
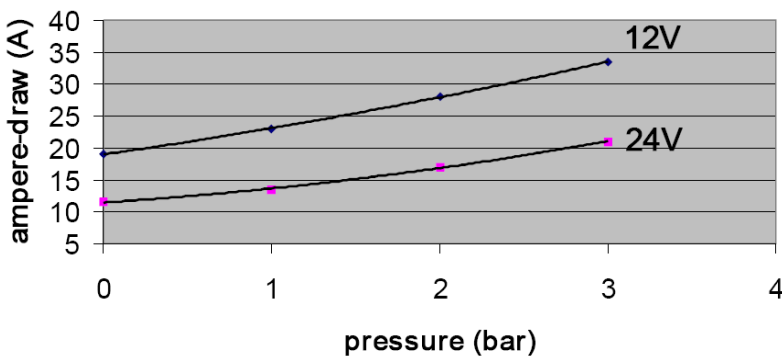
### W-GPDC-40 (12 and 24v DC)

W-GPDC-40  
 Shown here with  
 optional input strainer

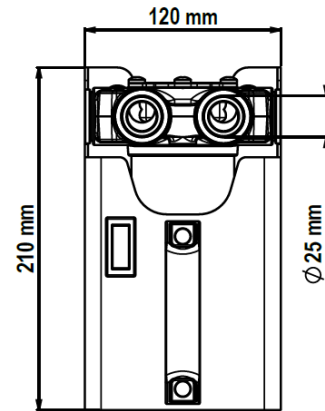


### Technical Specifications

Model	W-GPDC-40-12vdc	Allowed liquids:	Diesel fuel with viscosity between 2 and 5.35cSt (at 37.8 °C) min flashpoint (PM) 55 °C
Power	12v DC		Fresh water
Fuse	30a		Sea water
Model	W-GPDC-40-24vdc	Prohibited liquids:	Petrol/Gasoline
Power	24v DC		Flammable liquids with PM below 55 °C
Fuse	15a		Liquids with a viscosity above 20cSt
Flow rate	40 lit/min max		Foodstuffs
Operating pressure	2.5 bar		Corrosive chemical products
Weight	4.3 kg		Solvents
Operating temp.	Min -10°C Max +60°C		
Operating humidity	Max 90%		
Protection	IP55		
Max lift	4m		
Port thread size	1/2" BSP (or hose tails as above)		
Life:	Replace the brushes in this pump every 500/700 hrs		



### W-VPDC-45 (12 and 24v DC)



H=161

Self-priming electric vane pump with integrated bypass valve  
 Aluminium body  
 Two options quick-fit connection for 25mm pipe  
 Rotor and vanes made of resin for long life and low friction  
 Brush holder with EMI filter

### Technical Specifications

Model W-VPDC-44-12vdc  
 Power 12v DC  
 Fuse 15a

Model W-VPDC-45-24vdc  
 Power 24v DC  
 Fuse 7a

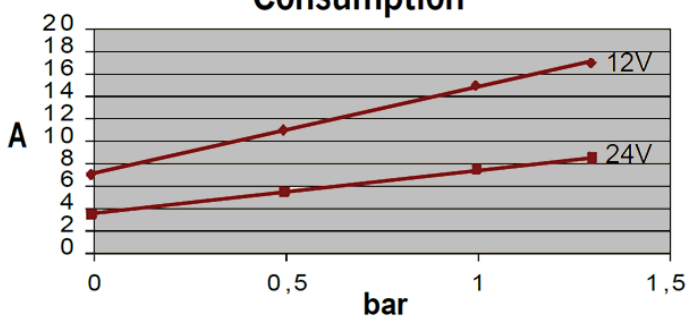
Flow rate 44 lit/min max  
 Operating pressure 1.2 bar  
 Weight 2 kg  
 Operating temp. Min -10°C Max +60°C  
 Operating humidity Max 90%  
 Protection IP55  
 Max lift 4m  
 Port size 25mm hose tail or 25mm port

Ports can be mounted on top or side of the pump to suit.  
 Life: Brush replacement in 4500 hours approx

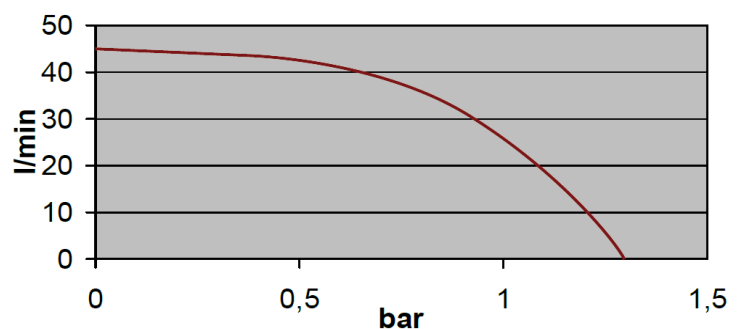
Allowed liquids: Diesel fuel with viscosity between 2 and 5.35cSt (at 37.8 °C) min flashpoint (PM) 55 °C  
 Fresh water  
 Sea water

Prohibited liquids:  
 Petrol/Gasoline  
 Flammable liquids with PM below 55 °C  
 Liquids with a viscosity above 20cSt  
 Foodstuffs  
 Corrosive chemical products

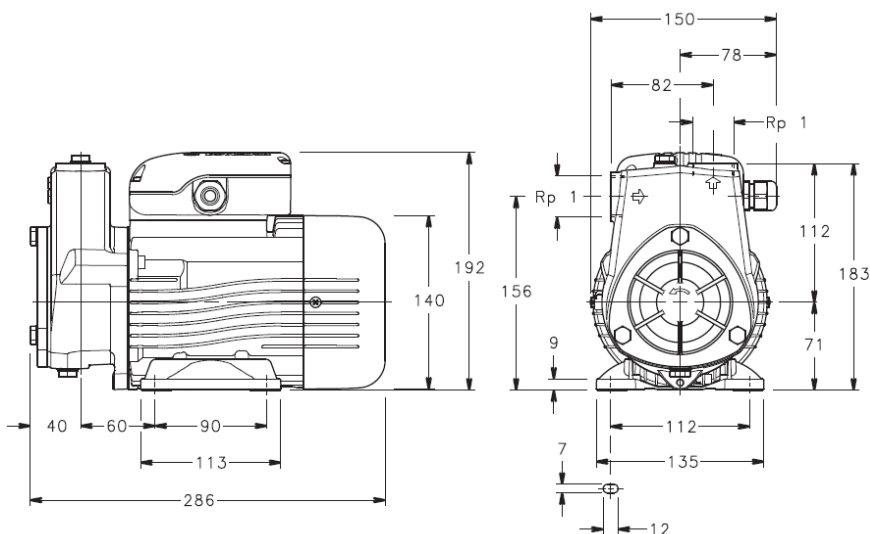
### Consumption



### Flow rate



### W-VPAC-45-220vac



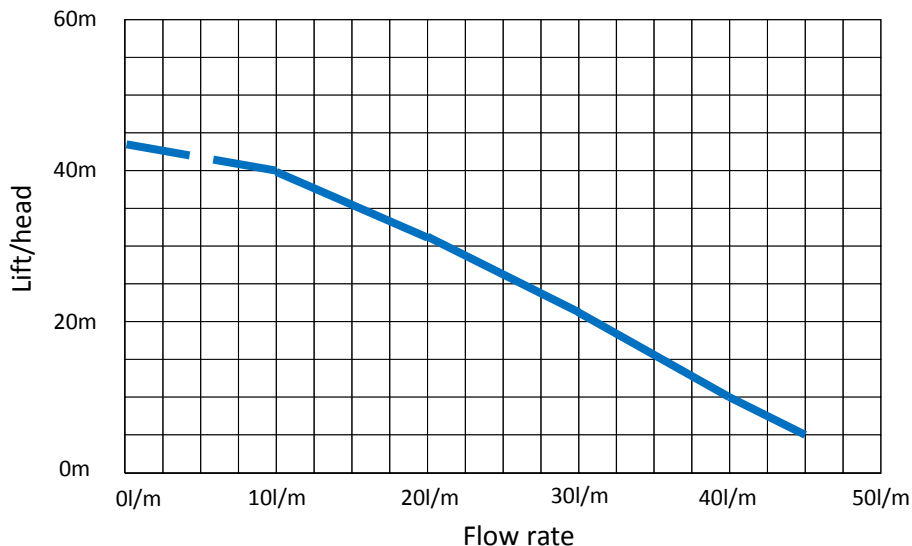
Model: W-VPAC-45-220vac

#### SPECIFICATIONS

<b>Max flow:</b>	45 lit/min
<b>Ports:</b>	1" BSP female
<b>Voltage:</b>	220v AC 50hz single phase
<b>Current:</b>	4.5a max
<b>Power:</b>	0.87kw (3/4Hp)
<b>Max head/Lift:</b>	50m
<b>Flow will reduce with head pressure, min flow at max head:</b>	5.7 lit/min
<b>Insulation class:</b>	F
<b>Protection:</b>	IP55
<b>Max pressure:</b>	8 bar

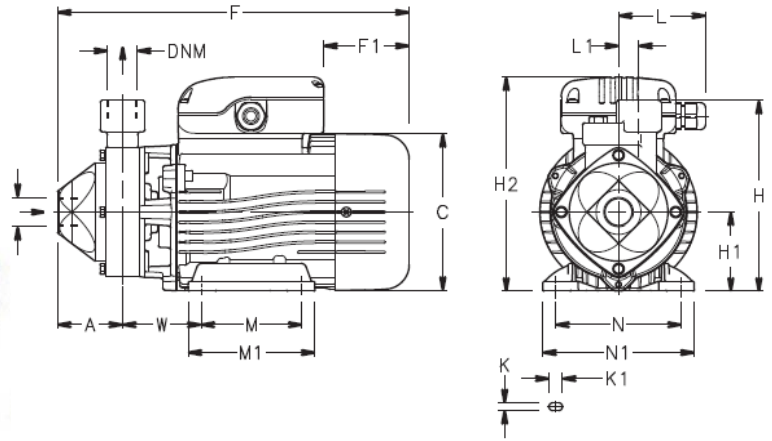
#### MATERIALS

<b>Pump body:</b>	Cast iron
<b>Motor/pump support:</b>	Cast iron
<b>Impeller:</b>	Nickel-plated brass
<b>Front flange:</b>	Brass
<b>Rear diffuser plate:</b>	Brass
<b>Mechanical seal:</b>	Ceramic/Carbon/NBR
<b>Fill plug:</b>	Brass
<b>Elastomers:</b>	NBR



### W-VPAC-60-220vac

Peripheral pump capable of developing high head/lift at low power.



Dimensions (mm)							
A	C	F	F1	H	H1	H2	L
58	155	354	113	180	80	209	78
L1	M	M1	N	N1	K	K1	W
20	100	124	125	153	9	12	83

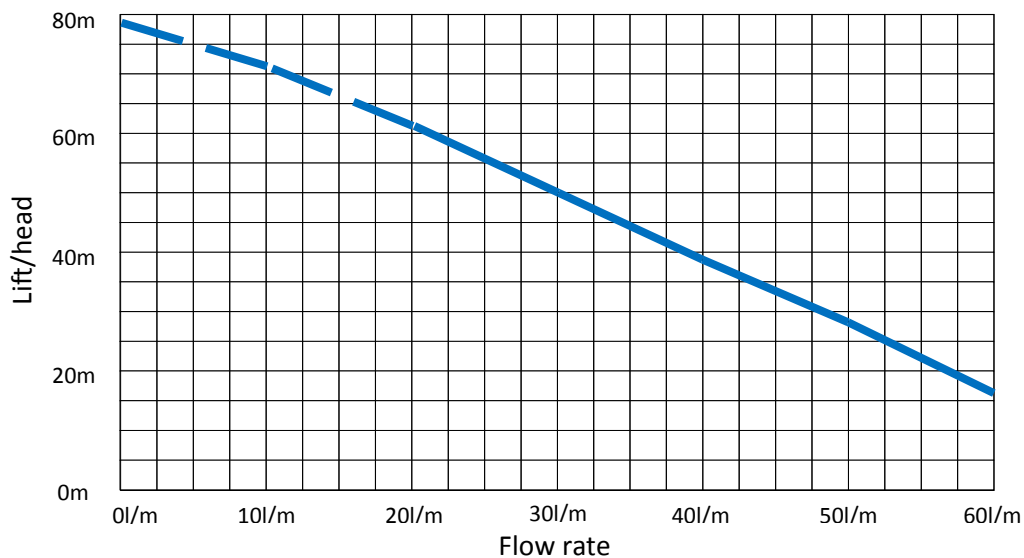
Model:W-VPAC-60-220vac

#### SPECIFICATIONS

<b>Delivery:</b>	up to 62 lit/min
<b>Head:</b>	up to 80 m
<b>Voltage:</b>	220v AC 1ph 50 Hz
<b>Power:</b>	1.1 kW
<b>Current:</b>	5.3 a
<b>Maximum operating pressure:</b>	8 bar
<b>Liquid Temperature:</b>	-10°C to +40°C
<b>Max Ambient Temp:</b>	40°C
<b>Insulation class:</b>	F
<b>Protection:</b>	IP55
<b>Ports:</b>	1" BSP female
<b>Weight (dry):</b>	14.2kg

#### MATERIALS

<b>Pump body:</b>	Cast iron
<b>Adapter:</b>	Cast iron
<b>Impeller:</b>	Bronze
<b>Mechanical seal:</b>	Ceramic/Carbon/Viton
<b>Fill plugs:</b>	Brass
<b>Gaskets:</b>	Viton



## WASP Biokem SP15

### Fuel micro-biocide For the treatment of *Cladosporium Resinae* and *Pseudomonas aeruginosa* (fuel bug)

WASP® BIOKEM SP15 is a concentrated effective biocide/fungicide designed for all fuel oils. Rapidly destroys micro-organisms and provides long term protection against further infection.

- Effective at high dilution
- Nitrite free
- Universal application
- Good material compatibility
- Long Lasting
- Supports anti-corrosive properties
- Low toxicity
- Boosts pH level
- Extremely versatile and economic in use
- Can also be used as a wash to pre-treat surfaces.



#### Can I use WASP® BIOKEM SP15 to prevent a bacterial infection?

Yes, and we suggest doing so to avoid the costly expense of finding out about the infection when it is too late to be treated resulting in the need to replace storage equipment and your stored fuel.

Prevention is better than cure!

#### Do I need to remove the bacteria already there?

WASP® BIOKEM SP15 will kill live bacteria but to remove it completely, you will need to filter out the bacteria which is already in your fuel. It is worth noting other similar products claim to remove existing infections. While the majority of similar products may break down the infection (including BIOKEM), and prevent further infection, none will completely remove the matter already there. If you intend to use BIOKEM for a boat, it may already have a filter which can be run to clean out the matter.

Part no: W-Biokem-5L	5kg (5 lit approx) bottles
Part no: W-Biokem-250ml	250ml bottles
Part no: W-Biokem-50ml	50ml bottles

#### Recommended dosage

Contamination Level	Dose	50ml will treat	250ml will treat	5L will treat
<b>Preventive</b>	10,000:1	500 litres of fuel	2500 litres of fuel	50,000 litres of fuel
<b>Moderate contamination</b>	5,000:1	250 litres of fuel	1250 litres of fuel	25,000 litres of fuel
<b>Heavy contamination</b>	3,000:1	150 litres of fuel	750 litres of fuel	15,000 litres of fuel

Treat as per table above and re-treat periodically at 5000:1 to 10000:1 to control re-infection. Best results are obtained if the fuel system can be re-circulated to fully disperse the biocide.

When dosing with WASP® Biokem SP15, always mix the required dose with a greater quantity of fuel before adding to the fuel tank. This ensures a quick and efficient dilution with the infected fuel.

For bio-diesel we recommend double-dosing, so a 250ml bottle is enough to treat 375 litres of fuel with heavy contamination (1500:1).



## WASP FTR

WASP Fuel Treatment Red (FTR) is a highly concentrated mixture of carefully formulated additives and solvents designed to easily mix with gas oils, diesel and fuel oils used for marine pleasure and ocean-going vessels, road haulage fleets, mechanical plant and agricultural units.

### What WASP FTR can do for you?

- Improves combustion
- Disperses and inhibits sludge
- Reduces gums & resins
- Improves spray patterns
- Extends filter life
- Lowers fuel consumption
- Improves power output
- Reduces carbon deposits
- Inhibits microbial growth
- Reduces smoke emissions
- Reduces mechanical wear
- Inhibits tank corrosion
- Cleans injectors & fuel system

### Fuel optimisation

At today's higher fuel prices it is essential customers obtain greater value for money by optimising fuel performance in the most cost effective way. Each litre of fuel burned needs to be in pristine condition to enhance engine performance and reduce mechanical wear.

Engines convert fuel or 'chemical energy' into mechanical energy, heat and emissions. The condition of the fuel plays an important role in the efficiency of the energy conversion process. Optimal fuel quality will enhance combustion, extend maintenance intervals and the useful life of filters and injectors, and help to keep tanks clean. Additives in WASP FTR restore 'stale' fuels to peak combustibility ensuring continuous clean burning and optimising fuel efficiency, and when used in conjunction with a Separ Fuel Polishing System for water and contaminate removal, it represents the most powerful and efficient cleaning solution for fuel in storage

Stored fuels naturally deteriorate; fuels, being organic, are susceptible to natural deterioration. Oxidation, water, and microbes all contribute to reducing fuel quality and forming tank sludge. Bacterial build up can also be a major problem. Water ingress and air-borne contaminants like dirt and grit all combine with oxidised fuel particles to form sludge. These unwanted by-products cause clogged filters and fuel lines, resulting in unwanted downtime and costly maintenance. Worse – potential engine failure at sea or vehicle breakdown in remote areas! In use, contaminated fuel can corrode injectors, pumps (and tanks) leading to incomplete combustion, carbon build up, smoke, loss of power and even engine failure.

Where the Fuel Polishing Systems remove the bacterial content and water from a tank, the addition of WASP FTR fuel treatment and improvement catalyst eliminates any fungal growth and bacterial build up, improves the fuels combustibility and restores it to pristine condition. It also enhances lubricity, inhibits corrosion and reduces harmful exhaust emissions.

- Part no: W-FTR-5L                    5kg (5 lit approx) bottles
- Part no: W-FTR-250ml            250ml bottles
- Part no: W-FTR-50ml             50ml bottles



### Recommended dosage

Contamination Level	Dose	50ml will treat	250ml will treat	5L will treat
<b>Preventive</b>	4,000:1	200 litres of fuel	1000 litres of fuel	20,000 litres of fuel
<b>Heavy contamination</b>	2,000:1	150 litres of fuel	500 litres of fuel	10,000 litres of fuel



### Kathon FP1.5

Kathon FP 1.5 is a patented high performance antimicrobial agent developed specifically to combat problems of microbial contamination and spoilage in hydrocarbon fuels.

Kathon is accredited for both aircraft and offshore use.

#### Basic details

The effectiveness of Kathon FP1.5 has been proven over a number of years and it has extensive approvals endorsing its use in a wide range of fuel types. It combines exceptional activity with broad spectrum performance, consequently it is effective at very low use levels against all commonly occurring fuel contaminants (bacteria, fungi and yeast).



Kathon FP1.5 is supplied in 5kg (aprox 5L) bottles and remains effective for approximately 2 to 3 months.

#### Basic Usage

Kathon FP1.5 should not be added directly into the fuel tank. It should first be diluted with approximately 5 litres of fuel and then added to achieve an even dilution with the contaminated fuel.

Part no: Kathon-5kg	5kg (5 lit approx) bottles
Part no: Kathon-20kg	20kg (20 lit approx) bottles

#### Recommended dosage

Contamination Level	Dose	100ml will treat
<b>Preventive</b>	10,000:1	1000 litres of fuel
<b>Moderate contamination</b>	5,000:1	500 litres of fuel
<b>Heavy contamination</b>	3,000:1	300 litres of fuel

Where possible water and sludge should be removed from the bottom of fuel tanks before and/or 12 hours after dosing Kathon FP1.5. If this is not feasible, Kathon FP1.5 can still be dosed, but filters should be checked 2 or 3 times in the first week.

## Micro-Dip Slides

### Detection of microbial infection

Stored fuel is at risk of infection such as bacteria, which can quickly multiply and if left untreated, can lead to failure of backup systems which could be disastrous in an emergency situation.

Water can form in any fuel tank, typically from condensation, poor ventilation or water ingress (especially common in marine vessels). Water, while a contamination itself, is the main cause of formation of all other forms of contaminations, such as bacteria, yeast and moulds.

Infections then quickly multiply and can lead to blocked fuel filters, damaged injectors, engine failure and can be potentially life threatening if back up power supplies fail.

We therefore recommend fuel is checked regularly for signs of contamination so any infection can be treated early on.

A simple dip slide test can give results within 1 – 5 days, allowing you to treat the contamination appropriately before it takes over.

Quick, Simple and cost effective testing. The Micro Dip Slides are easy to use and test for bacteria, yeast and moulds. The Micro Dip Slides are available to buy in units of 1 or in a pack of 10. The dip slide is held within a container which keeps the agar clean before and during processing. An instruction sheet and a growth chart are also included. For most accurate results, we recommend using an incubator to keep the sample at a consistent temperature of between 30 and 35 Degrees Centigrade.



Part no: MCD	Single slide
MCD-10pk	Pack of 10 slides

### Treating an infection

We highly recommend treating any bacterial infection as early as possible with WASP® BIOKEM SP15 to prevent further spreading of the bacteria. WASP® BIOKEM SP15 can be used to prevent further spreading of bacteria even with very heavy growth, but please note, it will not remove the residue already there. To remove existing residue, a fuel filtering system should be used.

### More Detailed Testing.

If you would like professional and detailed fuel testing, please contact us to discuss having fuel samples taken and sent to our lab for analysis.

### Preventative measures

With the introduction of BioDiesel, the risk of contamination from bacteria is even higher.

Bio-fuel is hygroscopic and attracts water, the cause of all microbial growth.

We recommend regularly treating your fuel with WASP® BIOKEM SP15 as a preventative measure to avoid microbial growth.

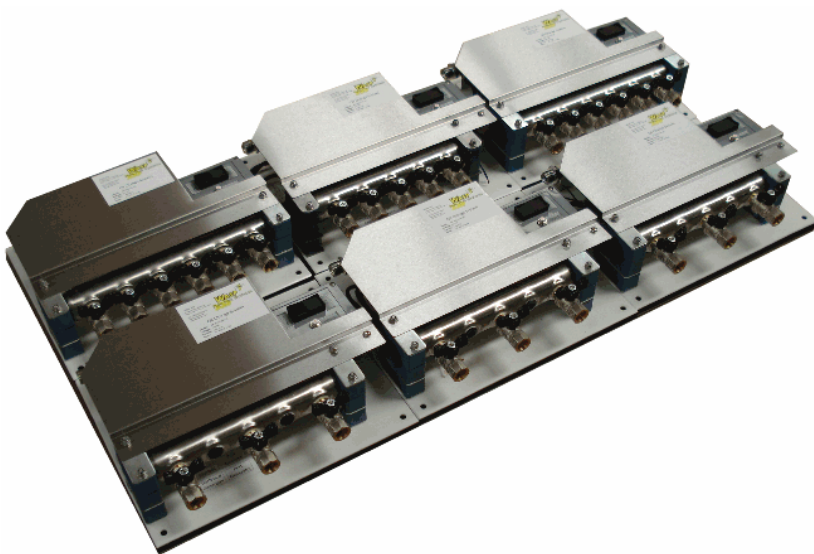
### Oil Change Systems

The quicker and cleaner option

Changing oil can be a difficult, time consuming, and mucky task. Getting under the sump, draining, waiting for everything to clear; and if you have multiple sumps (ie. a generator, air-conditioning system, engine, etc) it could take the day.

The WASP PFS Ltd range of oil change systems remove the difficulty and save valuable time.

The quick and easy system just needs each sump connected to the ports of our system, select the drain option and no more waiting, all your old oil is removed. And refilling? Just as simple, attach our system to your clean oil supply and switch to "fill".



### Customised to your requirements

Depending on how many ports you require for your sumps, we can customise the system from the typical 3 ports right up to 8 ports and based on your power requirements.

### Technical Detail

Pump inlet:	1/2" BSP Male - 60 degree cone for hose
Valves:	1/2" BSP Female
Weight:	9.9Kg
Maximum flow:	15lit/min*
Power:	24v DC (7.5a max) 12 v DC units available on request (15a)



### Ordering numbers

3 port 24v DC	GP-3013-24
3 port 12v DC	GP-3013-12
4 port 24v DC	GP-3014-24
4 port 12v DC	GP-3014-12
5 port 24v DC	GP-3015-24
5 port 12v DC	GP-3015-12
6 port 24v DC	GP-3016-24
6 port 12v DC	GP-3016-12

