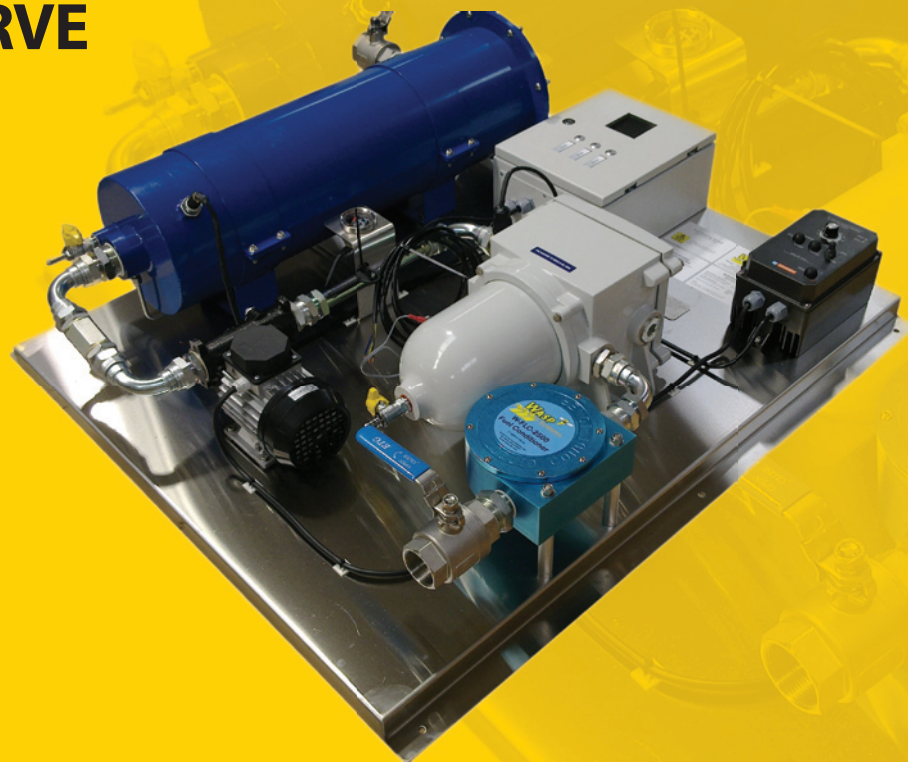


»» **SUPERIOR**  
**FUEL CLEANING**



# **FUTURE PROOF YOUR FUEL**

**CUTTING EDGE  
TECHNOLOGY TO  
CLEAN AND PRESERVE  
FUEL IN BACK-UP  
POWER SYSTEMS**



[WWW.WASP-PFS.COM](http://WWW.WASP-PFS.COM)

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**SUPERIOR FUEL CLEANING WITH  
UNRIVALLED TECHNOLOGY, DESIGNED  
AND MANUFACTURED IN BRITAIN**



## FOREWORD

Many data centres invest heavily in back-up generators to ensure business continues and critical data is not jeopardised or lost in the event of power failure.

Procedures are normally in place to test and maintain generator integrity; however the fuel is often overlooked and historically not managed.

Now, with the addition of biodiesel into fuel, the possibility of contamination causing generators to fail has increased significantly.



## **SUPERIOR FUEL CLEANING WITH UNRIVALLED TECHNOLOGY, DESIGNED AND MANUFACTURED IN BRITAIN**

Contaminated fuel is not only a waste of money, but is incredibly damaging to a generator's fuel system. It inevitably leads to a system failure and causes undue stress and cost.

Our innovative systems can stop the contamination occurring from the outset, as well as clearing existing issues.

The smart technology used seamlessly integrates with your building management system (BMS) for an effortless solution to your fuel housekeeping requirements.

- »» **Clean up any contamination in your tank**
- »» **Preserve your fuel quality**
- »» **Prevent costly fuel related breakdowns**

»» INNOVATION



»» TECHNICAL INFORMATION

## »» CENTRIFUGAL FUEL CLEANING PLUS

Fuel is initially passed into our patented 'thru-flow' fuel conditioning unit which assists the process of controlling any bacteria present in the fuel.

The first filtration stage is our patented multistage centrifugal 'suction side' unit which removes any free water present in the fuel whilst filtering particulate to 10 micron. We also offer options for 30 micron in the same media as well as a 60 micron stainless steel element.

The fuel then passes into a two stage 'pressure side' coalescer system which removes any free and emulsified water, plus particulate down to two micron; resulting in very clean and for all practical purposes, water free fuel.

Our new, optional, state-of-the-art WASP Absolute Polishing® bacterial filter is also available for an even finer clean.



## INTUITIVE FUNCTIONALITY

Our systems are built from the ground up to be as simple-to-use as they are effective. Utilising the latest touch screen technology, with animation and graphic explanation, this unique control system offers instant understanding.

## FURTHER INFORMATION

For full data on our product range, or for the latest models, please visit our web site or call us

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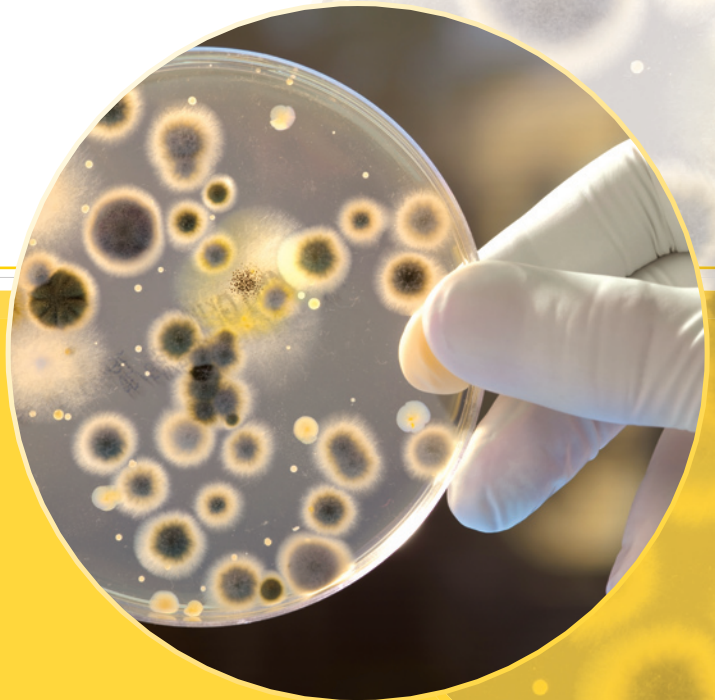
## INNOVATIVE PROCESS

Employing technologies unique to us, we are able to offer an unrivalled system. We use our own filters in a multi-stage cleaning process, advanced sensing and pumping technologies, and an unmatched control system to create a state-of-the-art device which takes the inconvenience out of fuel housekeeping. Controlled fuel cleaning by WASP PFS Ltd.

## PATENTED TECHNOLOGY

**Patented technology is an integral part of our systems.**

From our magnetic conditioners, which use the latest rare-earth high-intensity technology, and are 10 times more powerful than any other magnetic conditioning system available; to our class leading centrifugal fuel cleaning and water removal stage, currently in use worldwide. The final filtration stage is a bi-filter; it removes any free and emulsified water and a depth type filter which removes particulate down to 2 micron.



# »»» ANTI-BACTERIAL FUNCTION

WASP Absolute Polishing® is our new pioneering technology, which allows us to control and remove live bacterial content present in your fuel. This final stage option improves on the standard 2 micron clean, by offering submicron levels of particulate removal. With this, our systems will extract bacteria at a cellular level.

## »» FUTURE PROOF

### »» **EXTEND, PROTECT AND PRESERVE THE LIFE OF YOUR FUEL AND SAVE MONEY**

Once our Industry Leading Cleaning Systems have been installed and are running, you can relax in the knowledge your fuel will be cleaned automatically on a regular basis. No more fuel related system failures and costly engine repairs, no more expensive fuel replacement and disposal.

#### »» **CLEAN IS GREEN**

Cleaner fuel burns better, giving fewer emissions compared to contaminated fuel. Heavily contaminated fuel historically required costly disposal and replacement. However, cleaning it removes this need, saving money, the environment, and your carbon footprint.

#### »» **CLEAN IS COST EFFECTIVE**

Our system's payback period is agreeably short. Without our systems, a generator breakdown could cost in excess of £10k; plus the recent introduction of biodiesel into generator fuel means this likelihood has dramatically increased. Comparing that cost, or even the cost of a regular fuel cleaning service against our installed systems, highlight the savings possible.

#### »» **CLEAN IS ESSENTIAL**

Avoiding generator downtime is vital to any business continuity plan. After all, the generator is there to provide power when the key systems have let you down; but what powers the generator? Fuel related failures can be avoided by the installation of our cleaning system to remove the water, sludge, biomass, sediment content, etc, which is commonly found. This, in turn, will also aid the reduction of unwanted acidity levels associated with biodiesel content in modern fuels.



**CONTACT US NOW TO SEE HOW WE CAN FUTURE PROOF YOUR COMPANY**

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## »» TECHNOLOGY



### »» FORWARD THINKING BRINGS RESULTS

To successfully preserve and maintain fuel quality, the correct multi-stage approach must be taken. To ensure the right procedure, we lead the market in the development and utilisation of our own filter technology. Only by ensuring we develop our own filtration stages can we be sure we are able to offer the correct solution for both today's requirements and for future fuel.

Biodiesel fuel contamination can emanate from several sources; free and emulsified water, particulate, bacteria and oxidation; producing gums and other organic biomass. All of these can jeopardise the integrity of your stand-by power, as modern diesel engine fuel systems are intolerant of contaminated fuel.

The result can mean starting and running problems, which can, in some instances, lead to breakdown and, in turn, means loss of power, data, revenue and reputation.

### FURTHER INFORMATION

For full data on our product range, please visit our web site or call us

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### »» WHY TAKE THE RISK?



10 LIT/MIN WALL MOUNTED



26 LIT/MIN PORTABLE



10 LIT/MIN ENCLOSED SYSTEM



26 LIT/MIN WALL MOUNTED



SUB MICRON BACTERIAL FILTER



60 LIT/MIN ENCLOSED SYSTEM



60 LIT/MIN ENCLOSED 4 TANK SYSTEM



60 LIT/MIN WALL MOUNTED



40 LIT/MIN FRAME MOUNTED

### »» SOME OF OUR SOLUTIONS

FIND MORE INFORMATION AT [WWW.WASP-FPS.COM](http://WWW.WASP-FPS.COM)

# TRUSTED. INNOVATIVE.

## BRITISH SOLUTIONS TO A UNIVERSAL PROBLEM



WASP PFS Ltd manufacture and supply a range of fuel polishing systems to the data centre industry, all designed to protect diesel fuel and ensure back-up power can be relied upon when required.

**BRITISH DESIGNED, BRITISH MADE, BRITISH  
BUILT DIESEL FUEL CLEANING SYSTEMS**

To see more of our systems, please visit  
[WWW.WASP-PFS.COM/GALLERY](http://WWW.WASP-PFS.COM/GALLERY)



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