

EFFECTIVE & ECONOMICAL FUEL POLISHING FOR MASS STORAGE TANKS

The DDF-HFR protects fuel stored in tanks with capacities up to 5,000,000l.

The DDF-HFR series are bespoke fuel polishers built to meet the precise requirements of bulk storage tanks or sites.

High Flow Rate (HFR) polishers clean fuel at up to 5,000lpm. They suit tank sizes from 1 to 5 million litres.

Their modular, scalable design makes DDF-HFR units versatile enough for any storage installation. Sites storing 1 million litres or less opt for the smaller, more economical end of the range. Sites approaching 5 million litres benefit from the series' staggering performance.

DDF-HFR polishers excel in all situations.

The design and manufacture of a DDF-HFR polisher represents a close collaboration between IPU's engineering team and our customer's. Extensive consultation ensures the unit integrates with the existing infrastructure and meets its performance targets.



DIESEL DEFENCE
Fuel Polishing



Scalable & modular

Different numbers of filter housings can be used to support tank sizes from 1 to 5 million litres and flow rates from 500 to 5,000lpm.

ISO4406 & EN590 adherence

IPU's unique filter elements ensure your fuel exceeds internationally-mandated targets such as 18/16/13 (ISO4406) and 200ppm (EN590).

Bespoke design

No two sites are the same. DDF-HFR units are designed and built through extensive consultation with our engineering team.

Let's talk

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BULK STORAGE IS SPECIAL

Bulk storage tanks need special treatment. The consequences of contamination could be disastrous for the operator, its customers and the environment.



Greater risks warrant better protection

If a bulk storage site loses 1,000,000 litres to contamination it is a commercial tragedy. This is very different to the situation for a commercial site that loses 1,000l.

The fuel uplift that might save a 1,000l tank is not an option for a 1,000,000l tank. The contamination that might be easily isolated in a generator day tank is free to spread rapidly in a larger, bulk tank. When a bulk storage tank fails, an entire community could lose power.

The risks are higher for bulk storage tanks. The protection has to be stronger.

Bulk storage tanks need DDF-HFR polishers.

Collaboration produces the right result

IPU adopts an intensely consultative approach to the design, manufacture and installation of DDF-HFR polishing units:

- Pre-sales: our sales team conduct a site survey to identify that nature of the problem and the project goals.
- Design: IPU can integrate existing site drawings into our designs and provide our customers with STP files of the polishing units so they can be added to existing site plans.
- Manufacturing: units are built according to our ISO 9001-approved processes and facilities.
- Inspection: FAT (Factory Acceptance Testing) and SAT (Site Acceptance Testing) form parts of our project process.
- Installation: units are delivered and installed by specialist staff.
- Training: operators are trained on operation, inspection and maintenance procedures. We also recommend basic training on the nature of and risks presented by fuel contamination.

CASE STUDIES



Offshore storage

A fuel polishing unit with a flow rate of 1,000lpm protects a Scottish island's primary power supply.

www.ipu.co.uk/case1008

SCALABLE & POWERFUL FILTRATION

Flexible filtration, exceptional flow rates

The DDF-HFR series is modular. It offers customers economy on smaller sites and performance for larger installations.

IPU enhances the versatility and economy of the series by incorporating a varying number of multi-filter housings into each unit. The number of housings suits the volume of fuel and level of contamination at each installation.

The table below illustrates how our flexible filtration design translates into performance.

FILTER HOUSINGS	FLOW RATES (LPM)
20	5,000
12	3,000
8	2,000
4	1,000
2	500

Extensive selection of media

The unbeatable performance of the DDF-HFR series is the result of unique hardware working in conjunction with our extraordinary filtration media.

IPU's filter elements boast the versatility to tackle everything from initial cleans to final polishes.

The DDF-HFR can be fitted with any of the below types of filtration media to combat fuel contamination:

- FiltaSorb: offering unrivalled economy and high flow rates for effective water removal. It is the best in the market for water absorption.
- FiltaSolid: removing up to 99.9% particulate contamination. Disposable and re-cleanable versions are available.
- FiltaMesh: providing economical, basic cleaning. The hard-wearing, re-cleanable mesh elements are available in 10 and 20µm (micron) versions.





THE COMPANY YOU WANT TO DO BUSINESS WITH

IPU helps businesses reach the profitability and efficiency they seek.

For nearly sixty years, we have delivered the expert assistance and customer service that lets our domestic and international customers excel in their industries.

We support businesses in sectors including power-generation, oil & gas, marine, IT & telecoms, manufacturing and government.

Our industry experience, competitive pricing and superb support let us evolve from a regular supplier to become the company our customers *want* to do business with.



For further details, please visit:
IPU.CO.UK/FUEL

For more information, please contact:
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