

FIRST FOR SPEED

DFU-5 Fuel Filtration Module



The ultimate high flow fuel filtration module boasting an impressive 1000 L/min flow rate for a world class combination of throughput and fuel quality.

Ideal for:

- /// Industrial tank cleaning
- /// Bulk fuel polishing
- /// Data Centres
- /// Stand-by Power Generation
- /// Mine and Quarrying
- /// Port and Harbour authorities

BIG PROBLEMS NEED FAST SOLUTIONS



Introduction

The DFU-5 is a powerful high flow fuel filtration and polishing module utilizing a two-stage filtration principle, which ensures that solid contamination, microbial activity and water ingress can all be effectively removed in a single pass.

- Flow rates can be selected in increments of 250 L/min up to 1000 L/min
- Filtasorb2 water removal media able to remove 100% free water and 99% entrained water from diesel fuel
- System rated at 10 bar working pressure with safety shut-off at 3.5 bar
- Optional secondary outlets allow the filters to be by-passed
- Leakage or Spillage alert with float switch located in drip tray



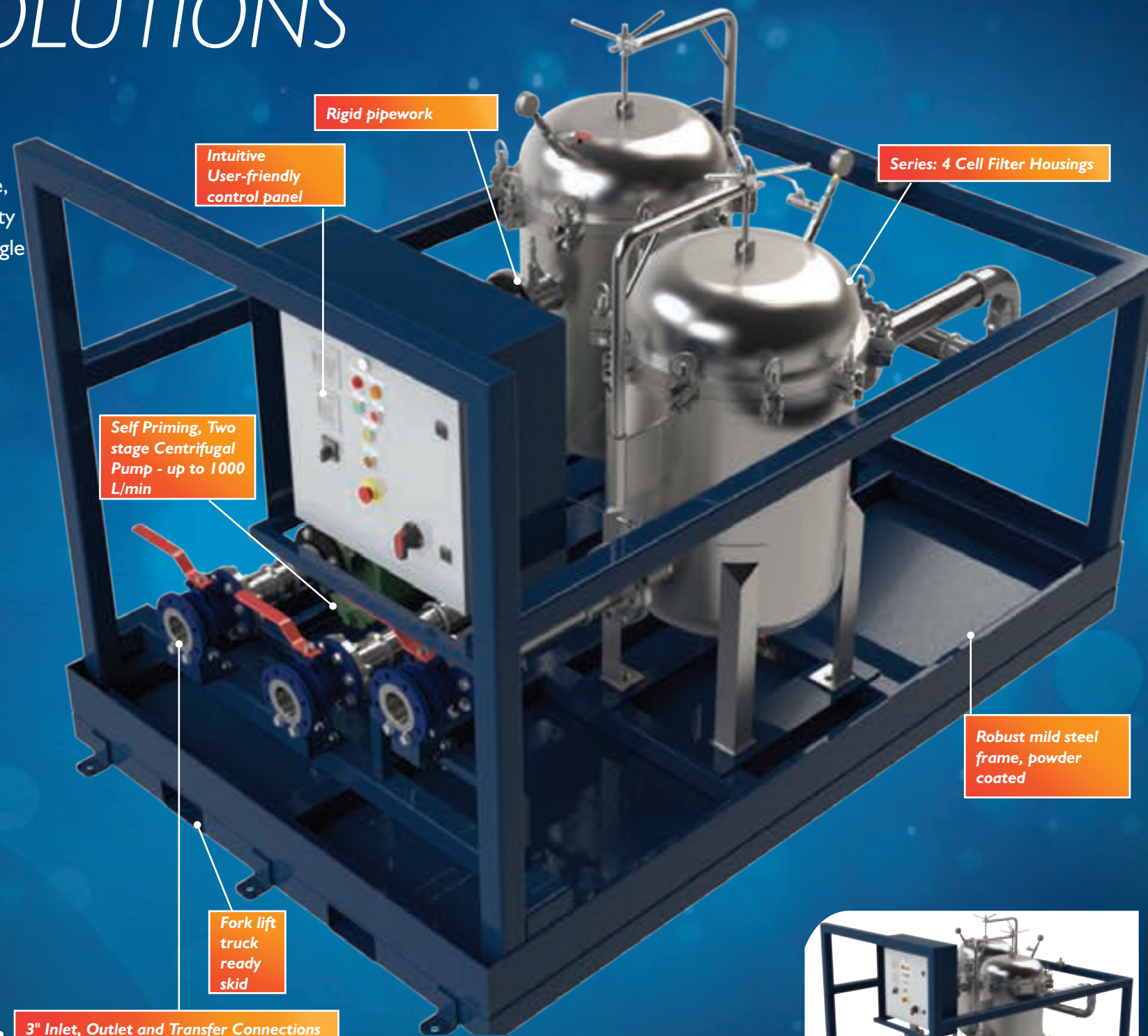
300% GREATER
WATER ABSORPTION

Filtasorb 2
Next generation
Water absorbent filtration media

Faster solution, greater savings

Stored fuel can develop solid particulate, water and diesel bug contamination if left for greater than 12 months without being replaced or cleaned.

The DFU-5 delivers a powerful throughput of up to 1,000 L/min. The DFU-5 removes both solid particulate and water in a single pass ensuring fuel is clean and dry, is within specification and ready for use when required.



Rigid pipework

Intuitive
User-friendly
control panel

Series: 4 Cell Filter Housings

Self Priming, Two
stage Centrifugal
Pump - up to 1000
L/min

Robust mild steel
frame, powder
coated

Fork lift
truck
ready
skid

3" Inlet, Outlet and Transfer Connections

Flanged, BSP or Camlock Connections
to customer specification

Challenging applications demand the highest performance

For equipment working in dirty locations in large operations across the globe it is critical that your filtration system can perform in the most challenging environments. The DFU-5 delivers with each housing being hydrostatically pressure tested to the European Pressure Equipment Directive, 97/23/EC.



Robust construction, solid pipework and 'O' Ring sealed, crimped joints.



Protected control panel mounted at a high level in front of twin filtration units

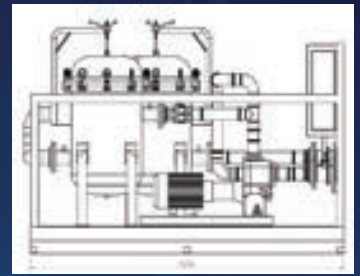


Control panel showing variable speed drive in 250 L/min increments



UK MANUFACTURED

SPECIFIED INTERNATIONALLY



DFU-5 – TECHNICAL SPECIFICATION

Pump	11 kW self-priming centrifugal pump
Power supply	415 VAC, 3pH
Frame	French Blue powder coat with fork lift channels, integral drip tray
Flow rate	1000 L/min at 3.2 bar, inverter driven variable flow control in 250 litre increments
Ports	Inlet: 3" Flange valve connection Outlet: 3" Flange valve connection Transfer: 3" Flange valve connection
Pipework	Crimped throughout rated to 16 bar
Safety features	Remote E-stop, Drip tray float switch, high pressure shut-off switch set to 3.5 bar
Filter housing construction	Two FT 4R Fuel Filter Housings , 4" PN16 Flange connections, Stainless Steel 304, connected in series flow path, drain ports on base, bleed points on domed lid. CE Marked. Conventional dished end to aid clean-down. Each housing hydrostatically pressure tested, European Pressure Equipment Directive, 97/23/EC. Positive seal seating mechanism. Robust support basket assembly fabricated from perforated sheet rather than wire mesh for extra strength. Internally and externally pickle-finish as standard. Bolted style closures. Rated at 10 bar liquid, 4.5 bar gas
Pressure rating	10 Bar system, shut off set to 3.5 bar
Filtration efficiency	Up to 1µm absolute depending on filter insert
Water removal	Naturally coalescing – remove free water from oils and fuels, 100ppm or better using Filtasorb2 insert
Control panel	Mild Steel Cabinet, full CE compliance
Dimensions	2606 mm (L) x 1726 mm (H) x 1606 mm (W)
Weight	2000 kg
Optional extras	Fluid Sampling Points Flow meter PC9001 laser particle counter WMS-500 ppm water sensor Telemetry for remote access

CALL US FIRST AND REQUEST MORE INFORMATION ABOUT OUR ENTIRE RANGE OF ADVANCED SOLUTIONS

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FIRST FOR FILTRATION

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