



# HPI

HYDRAULIC PROJECTS (INT) LTD

# 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
- Various insert cells are available to cater for even the most challenging clean-up applications
- 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

**Filtasorb 2**  
Next generation  
Water absorbent filtration media

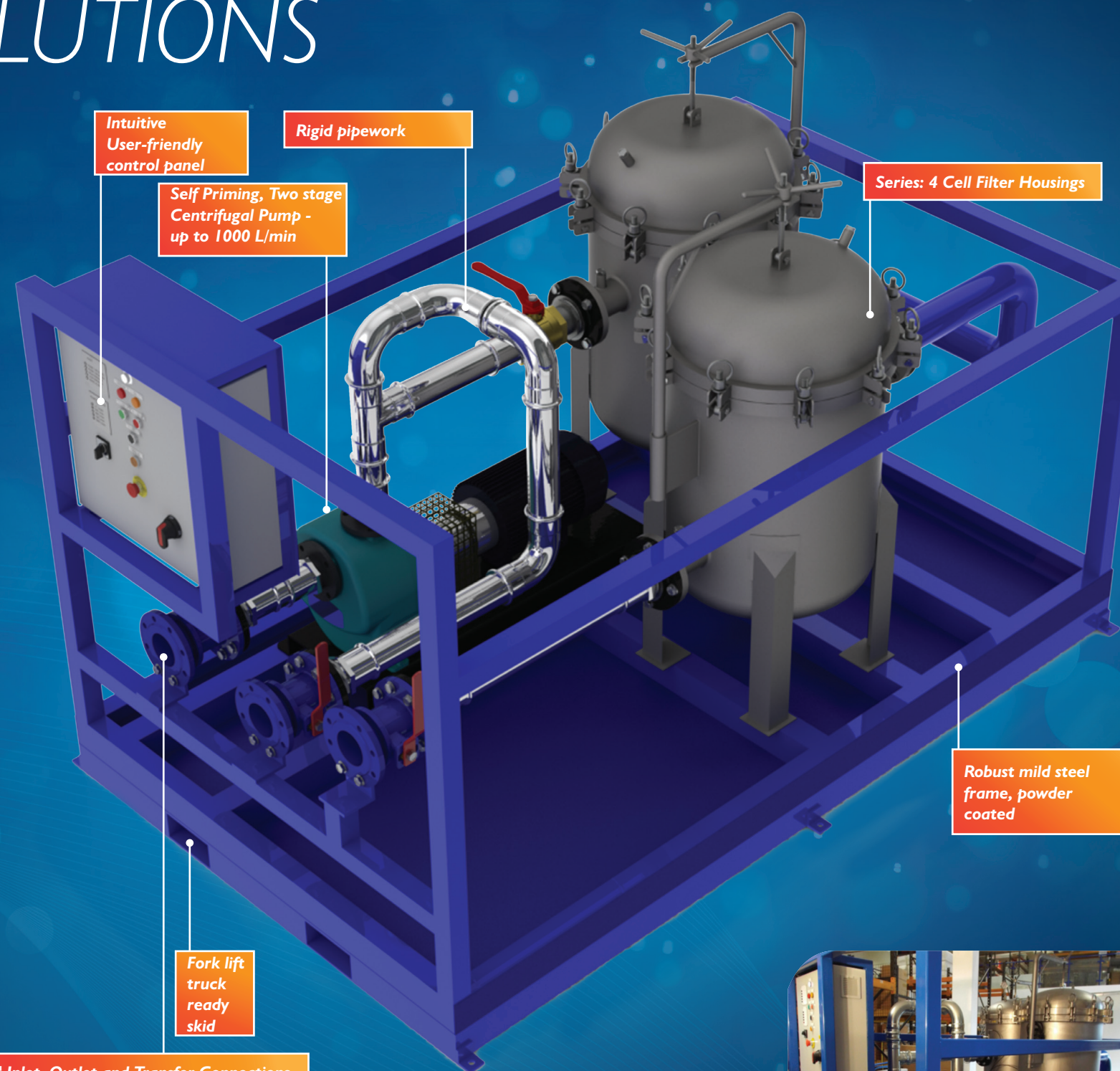
300% GREATER  
WATER ABSORPTION

Fitted with  
Filtasorb2 water  
absorbent filtration  
media for  
unparalleled  
performance.

## 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.



## 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.

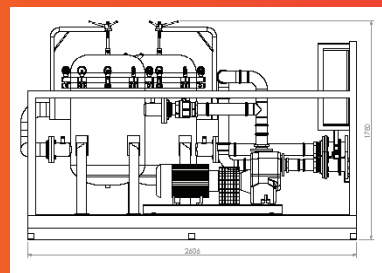
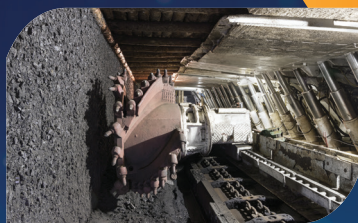


Protected control panel mounted at a high level in front of twin filtration units



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





## DFU-5 – TECHNICAL SPECIFICATION

<b>Pump</b>	11 kW self-priming centrifugal pump
<b>Power supply</b>	415 VAC, 3pH
<b>Frame</b>	French Blue powder coat with fork lift channels, integral drip tray
<b>Flow rate</b>	1000 L/min at 3.2 bar, inverter driven variable flow control in 250 litre increments
<b>Ports</b>	Inlet: 3" Flange valve connection Outlet: 3" Flange valve connection Transfer: 3" Flange valve connection
<b>Pipework</b>	Crimped throughout rated to 16 bar
<b>Safety features</b>	Remote E-stop, Drip tray float switch, high pressure shut-off switch set to 3.5 bar
<b>Filter housing construction</b>	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
<b>Pressure rating</b>	10 Bar system, shut off set to 3.5 bar
<b>Filtration efficiency</b>	Up to 1µm absolute depending on filter insert
<b>Water removal</b>	Naturally coalescing – remove free water from oils and fuels, 50 ppm or better using FiltaSorb2 insert
<b>Control panel</b>	Mild Steel Cabinet, full CE compliance
<b>Dimensions</b>	2606 mm (L) x 1726 mm (H) x 1606 mm (W)
<b>Weight</b>	2000 kg
<b>Optional extras</b>	Fluid Sampling Points Flow meter PC9001 laser particle counter WMS-500 ppm water sensor Telemetry for remote access

