



**PM TECH RESOURCES**  
Recycle Resources  
Reduce Cost



# FIRST FOR THE FUTURE

Filtertechnik DFU-I Fuel polishing System: Next Generation efficiency, delivering the ultimate in fuel cleanliness performance!



BEFORE & AFTER

Filtertechnik's market leading DFU-I is the perfect entry-level solution for fuel contamination. Combining a powerful throughput with portability and exceptional cleanliness capabilities, the DFU-I gives you complete peace of mind that your fuel is clean and dry.

## Extensively specified into:

- Plant Equipment Hire
- Mining/Quarrying
- Healthcare
- Marine
- Telecommunications
- Rail
- Broadcasting and Media

# THE NEXT GENERATION



## Introduction

At the forefront of fuel cleanliness innovation, the DFU-1 is a versatile fuel filtration system designed to deliver maximum performance within a compact footprint. Incorporating leading high capacity particulate filtration principals, both solid and bacterial contaminants are removed from your fuels with ease. High performance, low cost filter cells ensure cleanliness levels of ISO 18/16/13 or better and make this the ultimate entry-level fuel filtration system on the market.

Problems with water? At the cutting edge of water removal technology, Filtasorb2 cells not only facilitate removal of all free water, but also 99.9% of entrained water to an incredible 100ppm or less.

Should on-site verification of cleanliness levels be required, practical quick connect fittings allow for instant plug-in to the Particle Pal fuel cleanliness analyser, allowing real time results in ISO/NAS/SAE in a matter of minutes.



## FEATURES

- Lightweight and portable, perfect for mobile use and basement tank access
- Powerful pump with high flow rates up to 80 L/min
- High volume dirt holding capacity to deliver ISO cleanliness codes of 18/16/13 or better
- High performance Filtasorb2 inserts to achieve 100ppm or better
- Extensive selection of filter cell inserts to suit every clean-up application
- Pressure gauge indication of system performance
- Water drain valve on sump of filter housing
- Rugged frame with integral drip tray
- All terrain castor wheels
- Suitable for most diesel, kerosene, biodiesel (B100) and oil applications

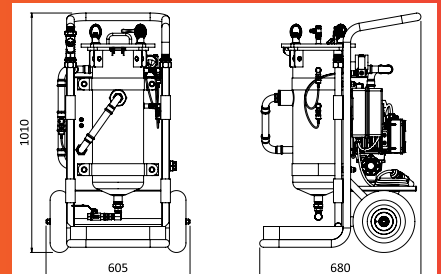
## BENEFITS

- Clean, dry fuel, ready for use when required
- Recover and reuse contaminated fuels
- Low running costs
- Can be moved between tanks or dedicated to a single tank
- Single pass cleanliness
- Ideal for tank cleaning and fuel recovery



CONNECT TO YOUR PARTICLE PAL  
FOR REAL TIME CLEANLINESS,  
TRENDING AND ARCHIVE CREATION

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



# UK MANUFACTURED

## SPECIFIED INTERNATIONALLY

### TECHNICAL SPECIFICATION

<b>Model</b>	DFU-1-110 / DFU-1-240 / DFU-1-415
<b>Dimensions</b>	605 mm (W) 680 (D) 1010 (H)
<b>Flow Rate</b>	80 L/min
<b>Dry weight</b>	80 Kg
<b>Frame</b>	Mild Steel
<b>Finish</b>	Powder coated
<b>Voltage</b>	110 VAC +10%/-6% (DFU-1-110)
	230 VAC +10%/-6% (DFU-1-240)
	415 VAC +10%/-6% (3 PH) (DFU-1-415)
<b>Frequency</b>	50 Hz ±1%
<b>Current</b>	2 Amps (DFU-1-415)
	4 Amps (DFU-1-240)
	9 Amps (DFU-1-110)
<b>Switch</b>	Overload contactor
<b>Power</b>	1 KW
<b>Overload</b>	4-10 Amp
<b>Starter contractor</b>	Yes
<b>Pump</b>	Self priming vane type
<b>Duty Cycle</b>	Continuous
<b>Noise Level</b>	<70dB @ 1 meter
<b>Motor Protection</b>	Thermal overload protection
<b>Primary filtration</b>	Filter cell for particulate & solid contamination to 18/16/13 or better Water removal with Filtasorb2 to under 100ppm. Optional magnets to pick up rust.
<b>Bypass (Pump)</b>	1.9 bar - 2.2 bar
<b>Filter Indicator</b>	Mechanical pressure differential
<b>Pressure</b>	2.2 bar max
<b>Temperature</b>	55°C max
<b>Medium</b>	Diesel
<b>Environment</b>	IP55
<b>Connections</b>	1" BSP Ball valves



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