

When Power is Critical

IPU
GROUP
Fuel Conditioning



FIRST FOR FUEL POLISHING

IPU DDF-4 On tank fuel polishing unit:

Next Generation efficiency, delivering the ultimate in fuel cleanliness performance for stored fuel.



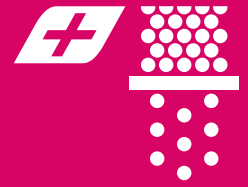
HOW CLEAN IS YOUR FUEL?

The DDF-4 is a floor mounted GRP weather proof fuel polishing cabinet. The On tank unit boasts a triple stage filtration for removal of both particulate and water contamination. The DDF-4 is the perfect on-tank filtration module.

EXTENSIVELY SPECIFIED INTO:

- /// Data Centres
- /// Financial Services
- /// Health Care
- /// Telecommunications
- /// Government Departments
- /// Broadcasting and Media

THE NEXT GENERATION



INTRODUCTION

The DDF-4 is the latest in the series of On Tank Units with a stronger flow rate of 200 L/min and with triple stage filtration, large volumes of stored fuel can be cleaned and ready for use in no time.

High capacity particulate filtration principals are again expertly incorporated to ensure removal of solid and bacterial contamination down to 18/16/13 or better. Water is also removed with the unparalleled performance of Filtasorb2 cells, removing all free water and 99.9% of entrained water to an incredible 100ppm.

FEATURES

- /// Compact floor mounted unit
- /// GRP weather proof frame
- /// Flow rates of up to 200 L/min
- /// High volume dirt holding capacity to deliver ISO cleanliness codes of 18/16/13 or better
- /// Optional high performance Filtasorb2 inserts to achieve 100ppm or better
- /// Triple stage filtration for the effective removal of both particulate and water contamination
- /// Extensive selection of filter cell inserts to suit every clean-up application
- /// Differential pressure gauge indication of system performance
- /// 7 day programmable timer
- /// Water drain valve on sump of filter housing
- /// Rugged frame with integral drip tray
- /// Safety features as standard; emergency stop, beacon alarm & float switch
- /// Suitable for most diesel, kerosene and biodiesel (B100)

BENEFITS

- /// Clean, dry fuel, ready for use when required
- /// Recover and reuse contaminated fuels
- /// Low running costs
- /// Triple staged filtration
- /// Ideal for tank cleaning and fuel recovery
- /// Optional real time analysis of oil/fuel cleanliness levels enabling cleaning to a pre-set ISO level
- /// Ideal for remote facilities with the ability to connect to BMS.



Connect to your particle pal for real time cleanliness, Trending and archive creation



Filtasorb²
Next generation
Water absorbent filtration media

UK MANUFACTURED

SPECIFIED INTERNATIONALLY

DDF-4

TECHNICAL SPECIFICATION

Performance/ Filtration efficiency	Particulate contamination and microbial removal down to under 1 micron, ISO 18/16/13. Viton seals for bio-blend compatibility Sight glass to see pre and post filtration	
Framing	Colour choice (RAL) to customer specification	
Fuels	The cabinet range is suitable with up to B100 fuels	
Water removal	Naturally coalescing – remove free water from oils and fuels, 100ppm or better using Filtasorb2 insert. Removes 100% free water and 99.9% entrained water	
Filter housing construction	Stainless Steel filter housings, series or parallel flow paths	
Flow rate	Up to 1,000 L/min (Series or parallel flow paths)	
Pump	High performance pump specification	
Construction	High quality fabrication and assembly, leak free pipework, integral drip tray, fixed or mobile installation options, isolation and non-return valves fitted where appropriate and differential pressure monitoring alongside motorised ball valve activation.	
Tank connectivity	Single or multi-tank connectivity and operation	
Connections	Sample points, air bleed points, BSP, flange or camlock connections	
Control Panel	Fully compliant control panel with circuit LED display options with 7 day programmable timer. Real time intelligence and an auto start/stop option (clean to dirty or dirty to clean activation options)	
Installation and training	Full installation is provided alongside training and operational guidance of required.	
Safety Options	Electrical pressure switch/ Over pressure protection Integral pump bypass Bund flood protection	
Indication	Traffic light filter blockage indicator Siren / flashing Xenon	
Communication options	BMS Scada/Modbus Telemetry	
Optional extras	Flow meters Fuel conditioners Auto water discharge drain	Particle counters Water sensors (real time ppm) Live trending and data capture
Enclosure options	Roller shutter, Glass re-enforced plastic (GRP), Stainless Steel cabinet, Mild Steel cabinet.	
Performance	Fully compliant to all industry specifications	