



DIESEL DEFENCE MOBILE

DDM3-2-50

ENCONOMICAL, SIMPLE & MOBILE

Ensure your diesel fuel remains clean and reliable with high-performance fuel polishing system. The IPU Diesel Defence DDM3 constructed from lightweight 6082 T26 aluminium, featuring economical, two-stage filtration and high flow rates for optimal protection from harmful contaminants in storage tanks up to 30,000 litres capacity. Equipped with filter bypass to double as a mobile fuel transfer unit.

The heavy-duty DDM3 Fuel Polishing Buggy offers exceptional filtration efficiency, higher flow rates and an extensive range of filter inserts to cater for the most challenging cleanup applications.

With exceptional flow rates pump capacity of 150 l/min and high capacity fuel filter housings, the DDM3 Fuel Polishing Buggy provides all the extra power you need to protect your fuels and get the job done in the shortest possible time. In addition to both solid and bacterial contamination being removed down to a cleanliness of ISO 18/16/13 or better, the introduction of a series flow path allows staged filtration and exceptional water removal.

A convenient & compact polisher with fast, two stage fuel cleaning

Diesel is the foundation which underpins the safe operation of our organisations and businesses. Hospitals, banks, data centres and regular companies rely on diesel-powered equipment. That diesel has to be clean. The DDM3 is the first of our heavy-duty mobile polishers. It offers outstanding filtration efficiency and flow rates to ensure your equipment runs reliably. It can be fitted with an extensive range of filters to cater for the most complex clean-up operations. The

DDM3 can be moved between tanks to protect an entire building's diesel infrastructure. By circulating fuel aggressively, it prevents the build-up of harmful contaminants. It tackles the three main forms of contamination such as solid particulates, water and microbial growth



DDM3

FEATURES



Dual stage filtering solution for particulate and water removal

- Stage 1 – Fixed Magnet to remove ferrous material & FiltaSolid - 1 μ m at 99.9% efficiency
- Stage 2 - FiltaSorb - water removal, achieving 100ppm or less.
(Factory standard supplied media)

High Capacity Size 1 filters

- Integrated pressure (clogging) Gauges
- Rugged, space-optimized and reliable design

Visual Alert to System Alarms



DIESEL DEFENCE MOBILE

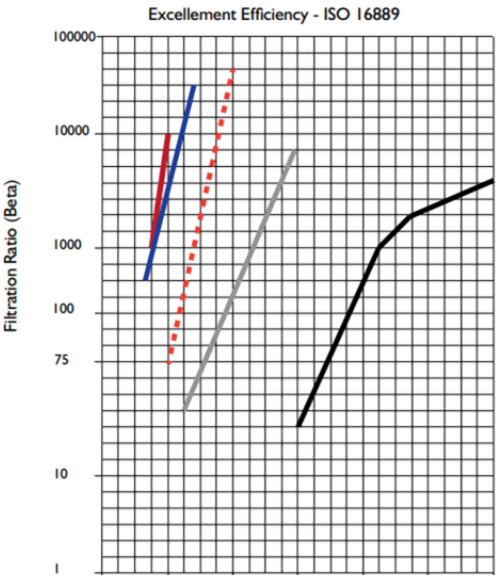
DDM3-2-50

SYSTEM

Dimensions (H) x (W) x (D)	1437mm x 1753mm x 635mm
Weight	240Kg
Operating Conditions	-20°C - +60°C <90% RH
Environment	IP55
Connections	1 1/2" BSP Camlock Male Inlet and Outlet

FILTRATION

Fluid Compatibility	Diesel & mineral oils
Media	STAGE 1 FILTER - 1µm, 5µm, 10µm, 25µm Nominal & Water Absorbing
Filter Blocked Indicator	Visual Gauge



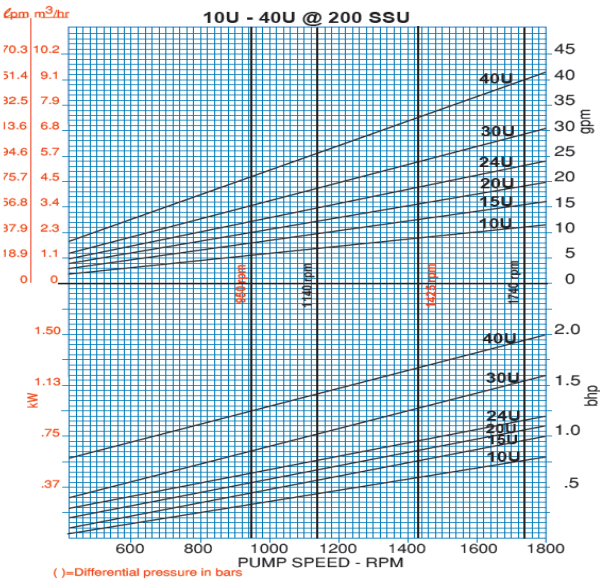
Filter Clogged Indicator	Electronic via Control Panel
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ELECTRICAL

Voltage/Frequency	230V (±10%) / 50Hz, supplied with 3-Pin Blue Industrial Plug (3M Cable)
Motor Current	6.5A
Motor Protection	Monitored Overload Protection Automatic Thermal Protection Switch

PUMP

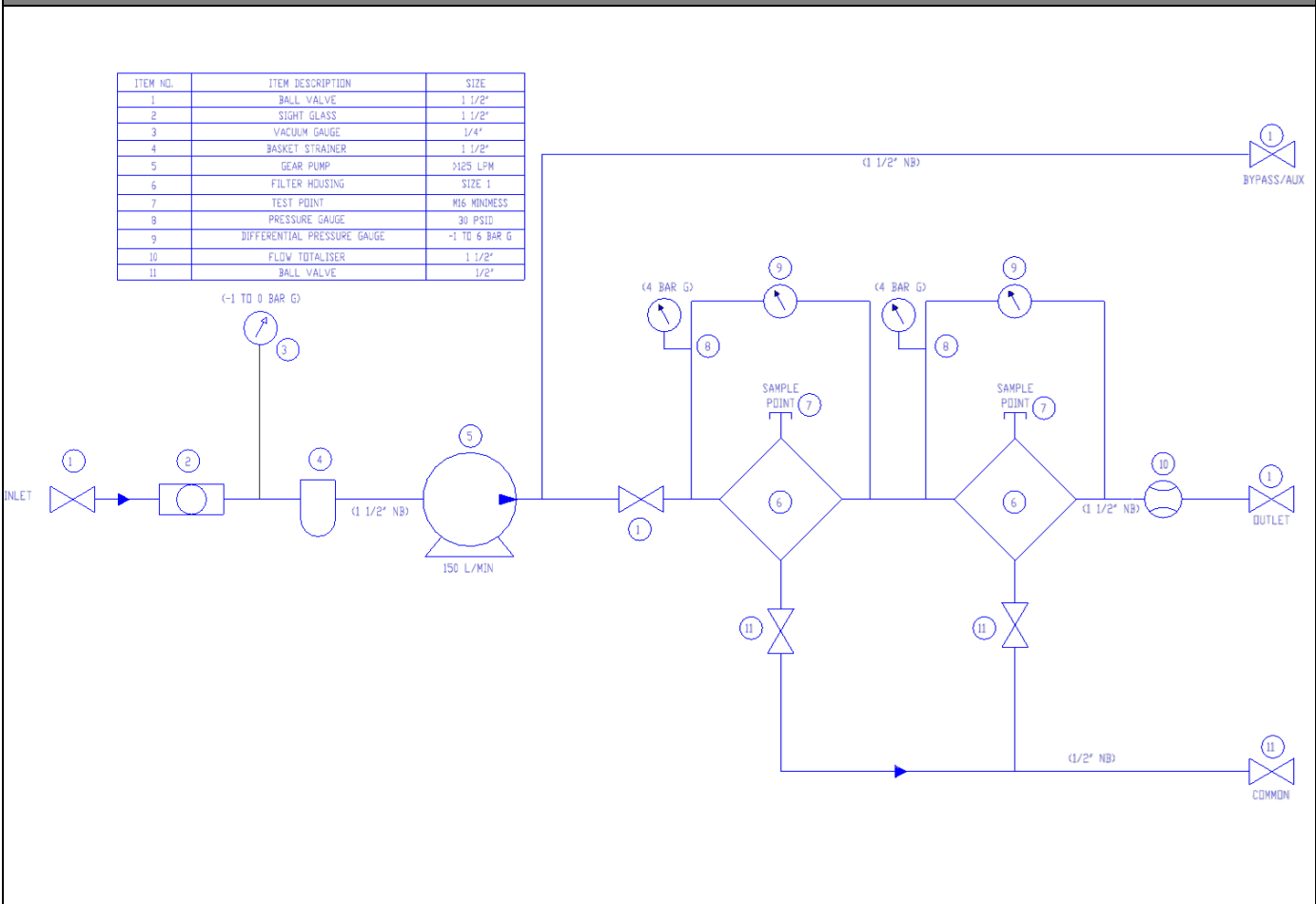
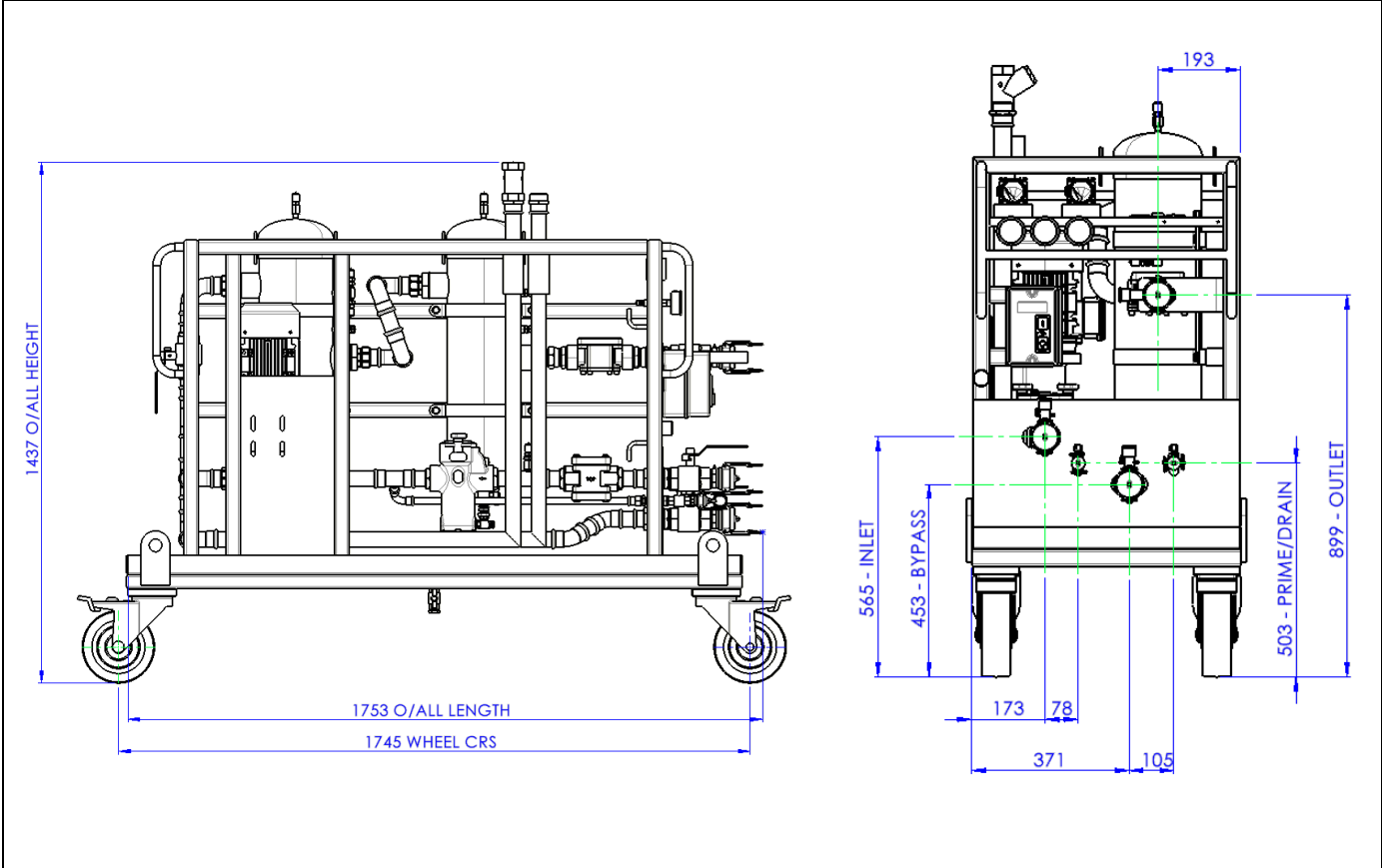
Pump Capacity	150L/pm
Type	Self-priming Gear Pump
Duty Cycle	System managed automatically
Noise Level	<85dB @ 1M




ALARMS

Filter Clogged	2 off Visual Gauge
Flow Detection	1 off Vacuum Gauge

LAYOUT DRAWINGS



INLINE CONTAMINATION MONITOR (OPTIONAL)		
Technology	Precision LED Based Light Extinction Automatic Optical Particle Analyser	
Particle Sizing	>4,6,14,21,25,38,50,70 µm(c) to ISO 4406:1999 Standard	
Reporting Formats	ISO 4406:1999 (ICM Default) NAS1638 AS4059E Table 2 AS4059E Table 1 ISO 11218	
Accuracy	±½ ISO code for 4,6,14µm(c) ±1 code for 21,25,38,50,70 µm(c)	
Calibration	Each unit individually calibrated with ISO Medium Test Dust (MTD) based on ISO 11171 (1999), on equipment certified by IFTS.	
Moisture & Temperature Measurement	% saturation (RH) and fluid temperature(°C)	
Viscosity Range	<1000 cSt	
Data Storage	Up to 4000 timestamped tests in the integral ICM memory. Up to 250,000 timestamped tests in EKO Kapture Memory	

TRUSTED KNOWLEDGE. TAILORED SOLUTIONS.

How well you understand a problem defines how well you solve it. Speak to an IPU technical specialist about fuel polishing and, after asking some astute questions, they'll provide a tailored solution you can trust - backed by years of industry experience and engine know-how.



More details at www.ipu.co.uk

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