

# DIESEL DEFENCE EKO KOMPACT

*Protect your high-value capital equipment with smart fuel cleaning technology from the small but mighty EKO Kompact. Purpose-built for fuel storage tanks of up to 5,000 litres capacity.*

**IMPROVING THE RELIABILITY  
AND RESILIENCE OF YOUR  
STORED FUEL**



**CRUCIAL EXPERTISE FOR CRITICAL APPLICATIONS.**



# SMALL ENOUGH TO FIT, *BIG ENOUGH TO PERFORM*

Expanding on the hugely popular and best-selling EKO range, the EKO Kompact System with Kapture technology is a high-performance fuel polishing system protects diesel fuel from harmful contaminants in storage tanks up to 5,000 litres.

The system builds on IPU Group's extensive expertise in fuel management and brings together a compact high-performance fuel polishing unit with an intelligent microprocessor control module. This specialised combination is custom designed to monitor and control fuel cleaning systems with a lower purchase and lifetime maintenance cost in mind.

But this is achieved without compromising on performance. The EKO Kompact with Kapture Technology delivers an exceptional cleaning capability that is 87% higher than the industry standard, achieving a 13/11/18 level of cleanliness at both high and low flow rates.



## The IPU Cloud Monitoring option lets you:

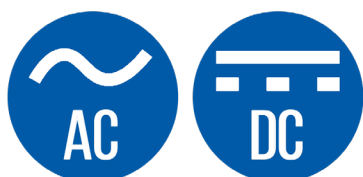
- Monitor the condition of stored fuel from any location at any time.
- View pump status and speed.
- See and investigate alarms.
  - Filter blockages
  - Low fuel levels
  - Attempted theft
- Analyse trends for low-cost, predictive maintenance and service.
- Change unit configuration.
  - Start/Stop.
  - Running times, etc.
- Reduce maintenance and service costs.

## The EKO Kompact System with Kapture Technology control panel can be fully integrated into Building Management Systems:

- BMS Signal Inputs for Control
- BMS Volt-Free Outputs for feedback
- Modbus RTU Connectivity



## OUR FIRST TRULY *WORLDWIDE SYSTEM*



The EKO Kompact Fuel Polisher is available in universal power supply options:

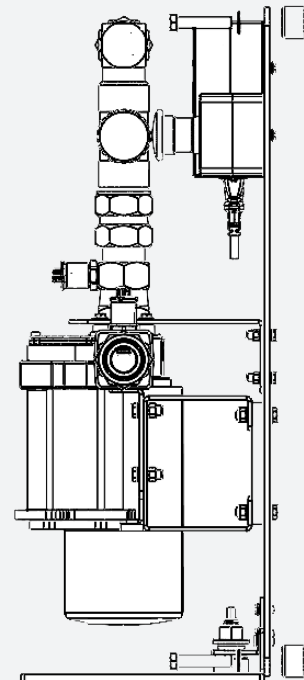
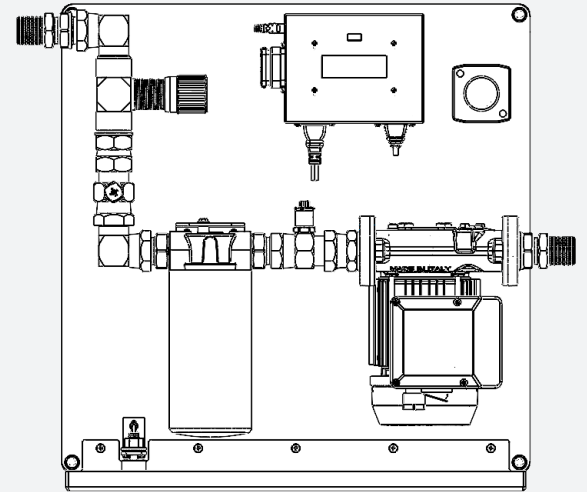
- 110V 50Hz and 60Hz
- 230V 50Hz and 60Hz

As well as being suitable for battery drive applications such as marine and vehicles:

- 12Vdc
- 24Vdc

# TECHNICAL SPECIFICATIONS

SYSTEM	
<i>Dimensions</i>	Open Frame - 550mm (H) x 550mm (W) x 235mm (D) Weather Pack - 600mm (H) x 600mm (W) x 250mm (D)
<i>Weight</i>	Open Frame - 15kg Weather Pack - 30kg
<i>Operating Conditions</i>	-20°C to +60°C, <90% Relative Humidity
<i>Environment</i>	Open Frame - IP44 (Control Panel) Weather Pack - IP66
<i>Connections</i>	1" BSPP Male Coned Inlet & Outlet
FILTRATION	
<i>Fluid Compatibility</i>	Diesel & mineral oils
<i>Media</i>	Particulate - 3, 5, 10 or 25 Micron & Water
<i>Filter Blocked Indicator</i>	Electronic via Control Panel
ELECTRICAL	
<i>Voltage / Frequency</i>	EKO-K-110-50 - 110V (±10%) / 50Hz EKO-K-110-60 - 110V (±10%) / 60Hz EKO-K-230-50 - 230V (±10%) / 50Hz EKO-K-230-60 - 230V (±10%) / 60Hz EKO-K-012-00 - 12VDC (8-16Vdc) EKO-K-024-00 - 24VDC (18-32Vdc)
<i>Nominal Motor Current</i>	110V Models - 5A 230V Models - 3A 12VDC - 20A 24VDC - 10A
<i>Motor Protection</i>	Monitored Fuse Protection
PUMP	
<i>Flow</i>	30 litres per minute
<i>Type</i>	Self-Priming Vane
<i>Duty Cycle</i>	System Managed
<i>Noise Level</i>	<85dB @ 1 Metre



## ADD ON OPTIONS

The EKO-K series is supplied as standard on a 550mm x 550mm backplate, designed for surface mounting. The following options are available:

OPTION	DESCRIPTION
Weather Pack	The system is supplied in an IP66 / IK08 steel enclosure, finished in a RAL Grey epoxy-polyester powder coated. The enclosure features a see through front door to easily view the systems control panel. Internally the enclosure is fitted with a float switch to detect any leaks.
Bund Assembly	A bund tray specifically designed for the open frame model complete with float switch, it can however also be added to the weather pack option.
Emergency Stop	An IP67 / IK03 mushroom head emergency stop button, this can be mounted either on the open frame models back plate, 1 side of the enclosure or externally to the equipment.



## HOW TO ORDER

