IFC-6050

Intelligent Filtration Cart



Removes Dirt & Water



BEFORE & AFTER

The IFC-6050 is an intelligent portable filtration cart. With two built-in hippo filters with a flow rate of 10 L/min (600 L/hr) for oils combined with an intelligent digital imagining particle counter, the IFC-6050 delivers clean and dry oils ready for use anytime.

Extensively specified into:

- Steel production
- Automotive industry
- Injection Moulding
- Plant Equipment Hire
- Mining/Quarrying
- Marine

Filtertechnik Ltd, 1 Central Park, Lenton Lane, Nottingham, NG7 2NR. United Kingdom.
t: +44 (0)115 9003 600 e:sales@filtertechnik.co.uk www.filtertechnik.co.uk

INTRODUCTION

The IFC-6050 is an intelligent filter cart able to clean a wide range of oils at a flow rate of 10 L/min (600 L/hr). Our built-in hippo pots fitted onto the IFC-6050 are able to clean oils down to a staggering 3 micron. Standard in-line filters mostly filter down to 10-20 micron efficiency. The most harmful contaminants in oil are sub 5 micron particles, these are also the most abrasive. The Hippo filters fitted are capable of removing harmful solid contaminants down to under 3 micron or ISO 14/9.

Perhaps you need on-site verification of cleanliness level. 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

- Flow rate of 10 L/min (600 L/hr)
- Fitted with 2 super duty Hippo Filters
- High volume dirt holding capacity to deliver ISO cleanliness codes of 14/9 and the equivalent of NAS 1638 class 5
- Water is removed to below 0.05%
- Moisture monitor fitted to display water content as % saturation
- Uses standard 110 or 240 Vac mains electric
- Suitable for most oils including kerosene, turbine oils and bioethanol
- Rugged frame with integral drip tray
- A range of optional extras available, including particle counters, and flow meters
- **Now includes our all new S120 digital imaging particle counter! Particle counting as before but with air bubble elimination and shape recognition technology.**

BENEFITS

- Clean & dry oil ready for use when required
- Recover and re-use contaminated oils
- Low running costs
- Single pass cleanliness
- Ideal for tank cleaning and oil recovery
- Various cartridge options depending on the level of solids and /or moisture levels present
- By trending filtration results in real time, you will know when your oil is clean and when you can move onto the next machine



Easy to use control panel with digital touch screen.

IFC-6050 TECHNICAL SPECIFICATION

Model	IFC-6050-110	IFC-6050-240
Flow Rate	Up to 10 L/min	
Dimensions	650 mm (W) 740 mm (D) 830 (H)	
Weight	70 KG	
Frame	Mild steel	
Finish	Powder coat	
Voltage	110 VAC	240 VAC
Current	2.3 Amps	3.3 Amps
Power	0.18 Kw	
Pump	Self priming progressive cavity	
Duty Cycle	Continuous	
Filtration	x2 FTP180 depth filters down to 3 micron	
Internal Bypass	6 Bar (87 psi)	
Filter Indicator	Analogue gauge	
Pressure	Internally limited to 85 psi (6 bar)	
Temperature	Up to 70°	
Viscosity	320 cst max	
Environment	IP55	
Connections	3/4" quick connect couplings	
Inlet hose	3m 3/4" single wire. 1m extension lance, 250 micron strainer	
Outlet hose	3m 3/4" single wire 1m extension lance	
Moisture monitor	TWS sensor showing water content as % saturation	
Temperature monitor	Temperature sensor showing oil temp in °C	
Electrical protection	Mushroom style E-stop Overload contactor	
Particle Counting	S120 Digital Imaging Particle Counter Touch screen interface with data-logging QR code reporting software	