

# IFC-3000

## Intelligent Filtration Cart



Removes Dirt & Water



BEFORE & AFTER

The IFC-3000 is an intelligent portable filtration cart. Available in both 18 L/min and 45 L/min flow rate options and an intelligent laser particle counter built-in, the IFC-3000 delivers the smart approach to oil cleanliness.

### Extensively specified into:

- Plant Hire
- Steel Production
- Manufacturing
- Automotive Industry
- Injection Moulding



## Introduction

The IFC-3000 is an intelligent filter cart able to clean a wide range of oils and available in either 18L/min or 45 L/min options, provides a powerful flow rate. With a large dirt holding capacity and staged filtration, your oil, whether lubricating, hydraulic or gear, remains clean and dry and, in turn, ensures that the oil remains in excellent condition.

In addition to top class filtration, the IFC-3000 has built-in intelligence, providing real time cleanliness levels of oils both in terms of ISO and % water saturation. This level of analysis arms service engineers with clear and concise data to assist in their maintenance planning.

### FEATURES

- /// Powerful flow rate options of 18 L/min or 45 L/min
- /// Dual 9" or optional 14" housings for continuous filtration
- /// High volume dirt holding capacity to deliver ISO cleanliness codes of 14/12/9 - 13/11/8
- /// Clean up oil to < 1 micron absolute
- /// PC9001 laser particle monitor fitted, LED display to ISO 4406
- /// Moisture monitor fitted to display water content as % saturation
- /// Rugged frame with integral drip tray

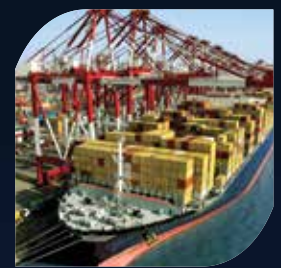
### BENEFITS

- /// Small footprint, easy to transport
- /// Clean and dry oil ready for use with required
- /// Recover and re-use contaminated oils
- /// Low running costs
- /// Staged filtration option to reduce element change out
- /// Single pass cleanliness
- /// Flexible filter element selection, including water removal
- /// By trending filtration results in real time, you will know when your oil is clean and when you can move onto the next machine



Live digital monitoring of particulate and water saturation





Model	IFC-3000-110	IFC-3000-240	IFC-3000-110	IFC-3000-240
Flow Rate	18 L/min	18 L/min	45 L/min	45 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	110 VAC	240 VAC
Current	5 Amps	2.5 Amps	10 Amps	4.8 Amps
Power	0.55 Kw	0.55 Kw	1.1 Kw	1.1 Kw
Pump	Self priming progressive cavity			
Duty Cycle	Continuous			
Filtration	x2 9"or 14" Filters down to 1 micron			
Internal Bypass	6 Bar (87 psi)			
Filter Indicator	Analogue gauge			
Pressure	Internally limited to 6 Bar (87 psi)			
Temperature	Up to 60° C			
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			
Particle counting	PC9001 laser particle monitor LED Indication of cleanliness to ISO4406 (1999) Supplied with PC trending software External fibre-optic connection cable			
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			