

# FFC-3000 Portable Fuel Filtration Cart



The FFC-3000 Fuel Filtration Cart is designed for dispensing, transfer and polishing filtration applications. Fully compatible with both diesel and bio-diesel, it combines a dirt tolerant progressive cavity pump with a large capacity particulate filter and high flow coalescing element to efficiently remove dirt and water from your fuel.

#### Extensively Specified into:

- Plant Hire
- Bulk Diesel Storage
- Standby Power Generation
- Emergency Fuel Clean-up
- Data Centres

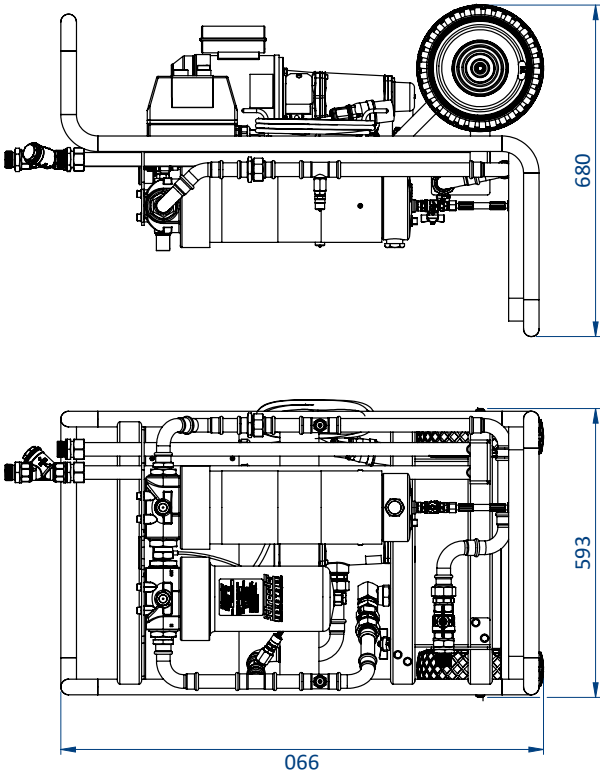
## Introduction

The FFC-3000 Fuel Filtration Cart is designed for dispensing, transferring and polishing applications. The rugged “sack truck” style frame makes it highly manoeuvrable for when site access is challenging. A self-priming progressive cavity pump enables fuel to be lifted from a depth of up to 5.0m. The Schroeder Industries GHPF particulate filter provides absolute rated filtration in a range of grades down to 1 micron, whilst the GHCF coalescing filter uses the latest separation technology to ensure a single pass water removal efficiency of >95% on both diesel and bio-diesel.

## Features & Benefits

- Self-priming pump (50 L/min).
- 5.0m suction lift.
- Particulate removal down to 1 micron.
- Coalescing water removal element.
- Manual water drain with sight glass indicator.
- Rugged yet manoeuvrable frame with integrated drip tray.
- Weatherproof electrical enclosure with contactor and overload.
- 3m suction and delivery hoses with 1m extension lances.
- Designed for use on both diesel and bio-diesel.

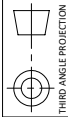




DRAWING TITLE		NAME	DATE	DRAWING TITLE		NAME	DATE
Filtertechnik		CHK'D		Filtertechnik		CHK'D	
Filtration, Purification & Separation Solutions		MATERIAL <NOT SPECIFIED>		Filtration, Purification & Separation Solutions		MATERIAL <NOT SPECIFIED>	
1 CENTRAL PARK, LENTON LANE,		FINISH:		1 CENTRAL PARK, LENTON LANE,		FINISH:	
TEL: 0151 500 1800		REVISION		TEL: 0151 500 1800		REVISION	
WWW.FILTERTECHNIK.CO.UK		PART NO.		WWW.FILTERTECHNIK.CO.UK		PART NO.	
		SCALE: 1:20				SCALE: 1:20	
		MASS: 9980882 GRAMS				MASS: 9980882 GRAMS	
		SHEET 1 OF 1				SHEET 1 OF 1	
		1				1	

GENERAL TOLERANCES UNLESS OTHERWISE STATED:- TO COMPLY WITH BS EN 22768:1993 - DO NOT SCALE DRAWING - IF IN DOUBT ASK

GEOMETRIC TOLERANCES		FABRICATION FEATURES - CLASS E		MACHINED FEATURES - CLASS II	
TOTAL RUNOUT	0.2mm	0mm > x ≤ 500mm	± 1.1mm	0mm > x ≤ 6mm	± 0.1mm
SYMMETRY	0.2mm	500mm > x ≤ 1000mm	± 1.1mm	6mm > x ≤ 30mm	± 0.2mm
FLATNESS	0.2mm	1000mm > x ≤ 2000mm	± 1.1mm	30mm > x ≤ 120mm	± 0.2mm
PERPENDICULARITY	0.2mm	2000mm > x ≤ 5000mm	± 1.1mm	120mm > x ≤ 400mm	± 0.2mm
		5000mm > x ≤ 10000mm	± 1.1mm	400mm > x ≤ 1000mm	± 0.2mm
		10000mm > x ≤ 30000mm	± 1.1mm	1000mm > x ≤ 2000mm	± 0.2mm
				2000mm > x ≤ 4000mm	± 0.2mm



THIRD ANGLE PROJECTION



# Technical Specifications

<b>Model</b>	<b>FFC-3000-240-PFXX*-CF</b>
Width	593mm
Depth	680mm
Height	990mm
Weight	Approx 75Kg
Frame	Mild Steel
Finish	Powder coat
Wheels	260mm Puncture Proof
Voltage	240 VAC / 50Hz / 1P
Current	7A
Power	0.75kW
Pump	Self priming progressive cavity
Duty Cycle	Continuous
Filtration Stage 1	Schroeder GHPF particulate filter housing
Internal Bypass (filter)	40 psi (2.8 Bar) cracking pressure.
Filter Indicator	Mechanical popup indicator
Filtration Stage 2	Schroeder GHCF coalescing filter housing
Internal Bypass (filter)	40 psi (2.8 Bar) cracking pressure.
Filter Indicator	Mechanical popup indicator
Water Drain	Manual drain with sump sight glass
Pressure	65psi (4.5 Bar) max pressure (pump relief)
Temperature	0...+50°C
Flow	50 L/min
Viscosity	10cst max
Environment	IP54
Connections	1" BSP (M)
Inlet Hose	1" 3m
Outlet Hose	1" 3m
Extension Lances	1" 1m
Fluid Compatability	Diesel / Bio Diesel up to B100
Additional	Pump pressure gauge. Oil sample points pre and post filtration.

FILTER ELEMENT OPTIONS			
	Micron	Part Code	Dirt Hold Capacity (g)
XX*	25	11GGZ25V	164
	10	11GGZ10V	165
	5	11GGZ5V	174
	3	11GGZ3V	148
	1	11GGZ1V	172
CF**	05	C125GZ5V	>95% single pass water removal efficiency
All elements are absolute rated.			