

DATA SHEET

**Mobile Oil Filtration Cart – FCV1
Fluid Power Solutions Ltd.**



Description

The Fluid Power Solutions Ltd. FCV1 mobile filtration units are designed to operate independently of the target system, it is suitable for filling and filtering hydraulic fluids and lubrication tanks.

The unit is highly manoeuvrable allowing the filtration systems to be moved between various systems with ease.

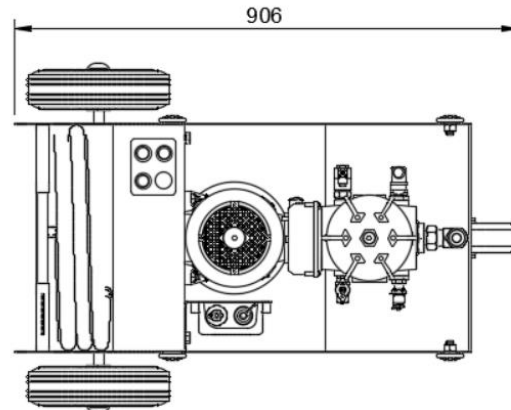
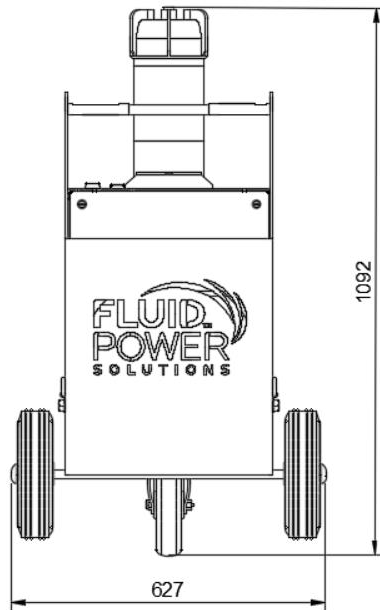
The unit operates by using an integrated pump to create pressure and flow therefore filtering the target system and removing contaminants and moisture. By using the FCV1 mobile filtration unit, system and component wear can be significantly reduced therefore improving system efficiency and reliability.

Features & Benefits

- Available in 110/230v Single-Phase and 415v Three-Phase connections.
- Highly manoeuvrable compact frame.
- Simple operation and maintenance.
- High flow rate pump of 50 l/min when in operation
- Absolute filtration down to 3 microns using high quality filter elements with high dirt holding capacity.
- Can process fluids of viscosity range 10-500cst.
- Able to operate consistently in a range of environments and conditions.
- Optional in-line contamination monitor (particle counter)



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		Mobile Oil Filtration Cart - FCV1
Pump		<i>Gerotor Pump</i>
Electric Motor		<i>1.5Kw Motor</i>
Temperature	Fluid	<i>From -10° to +80 °C</i>
	Ambient	<i>From -20° to +45 °C</i>
Protection class		<i>IP 55</i>
Flow Rate (l/min)		<i>50 l/min - 1450 Rpm</i>
Max Operating Pressure (Bar)		<i>10 Bar</i>
Viscosity Range	(min Operation)	<i>10 cSt</i>
	(max Operation)	<i>500 cSt</i>
Filtration Rating		<i>3/6/10/25 μm β>1000 flow through the element Out/In</i>
Fluid Compatibility		<i>Any Mineral oil (DIN 51524)</i>
Voltage	Single Phase	<i>110v/ 230v</i>
	Three phase	<i>415v</i>
Suction Hose		<i>1 1/4" BSP Connection end 1, 1" BSP Connection end 2</i>
Pressure Hose		<i>3/4" BSP Connection end 1, 3/4" BSP Connection end 2</i>
Dimensions	Length	<i>906mm</i>
	Width	<i>627mm</i>
	Height	<i>1092mm</i>
Weight	Dry	<i>87kg</i>
	Wet	<i>97Kg</i>