

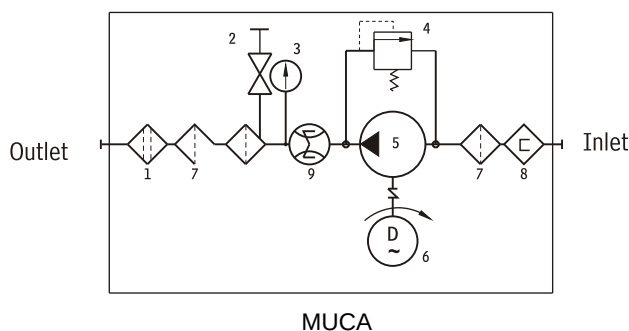
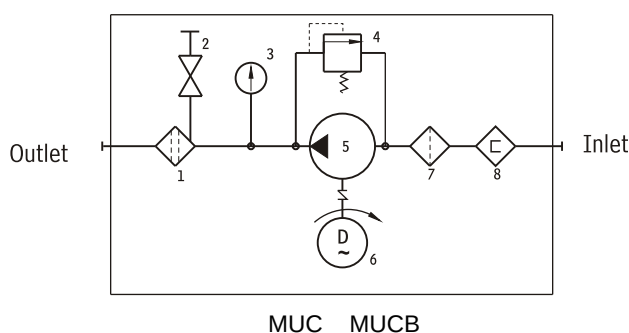
MUC, MUCA, MUCB Series Mobile Oil Filter Pushcart

● Introduction

MUC, MUCA and MUCB series of pushcart filters are a special filtration device not only for filtering the oil flowing to a tank but also for filtering the oil in hydraulic system. These kinds of filters are made into good structure, easy using and long service life and also have high filtration low noise. As required you may choose different filter element from 3um to 30um filtration. They are also be used as a by-pass filter outside a hydraulic system.



● Oil Circuit Diagram



1. Fine filter
2. Discharge valve
3. Pressure gauge
4. Safety valve
5. Pump
6. Motor
7. Rough filter
8. Magnetic filter
9. Flow gauge





●Order Selection Table

MUC - 100 - F - 10

Device model

MUC: Fine pushcart filter
MUCA: 5 class fine pushcart filter
MUCB: With jerrican fine pushcart filter

Flow rate (L/min)

16 40 63 100

Filter element material

F: Glass fiber
W: Stainless steel wire mesh

Filter fineness(μm)

3 5 10 20

● Filter Element

MZX 100 F 10

Filter element type

MZX: Fine pushcart filter
MZXA: 5 class fine pushcart filter
MZXB: With jerrican fine pushcart filter

Filter element specification

16 40 63 100

Filter element material

F: Glass fiber
W: Stainless steel wire mesh

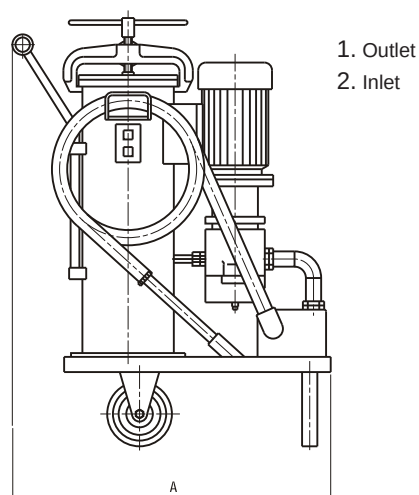
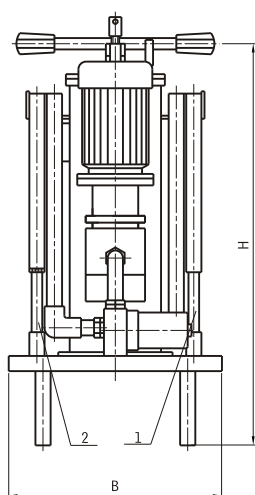
Filter fineness(μm)

3 5 10 20

●Technical Parameters

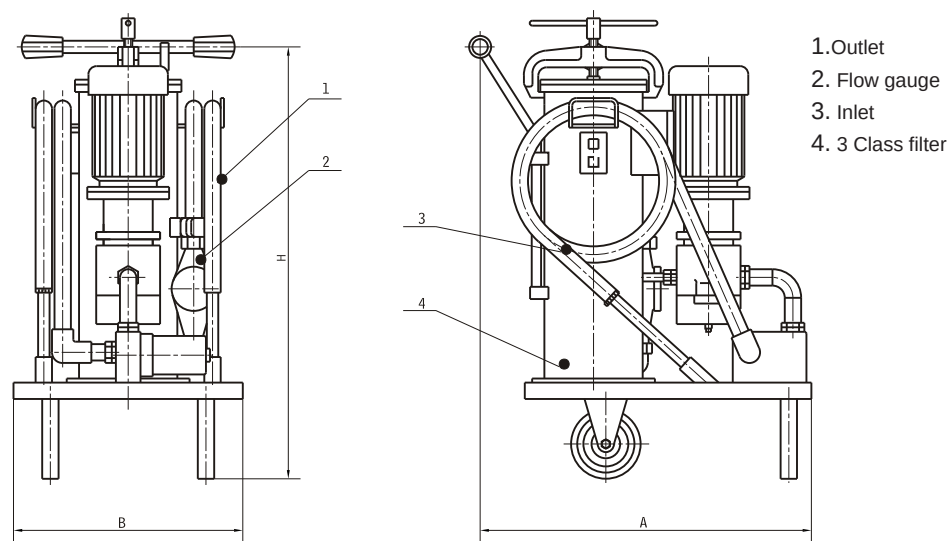
Model	Nominal Flow Rate (L/min)	Rough Fitr (μm)	Fine Filtr (μm)	Initial ΔP (MPa)	Attraction of magnet (N)	Power of motor (Kw)	Voltage (V)	Weight (kg)
MUC 16 ※ ※	16	100	3 5 10 20 30	<0.02	2	0.37	AC: 380	60
MUC 40 ※ ※	40					0.75		90
MUC 63 ※ ※	63					1.1		100
MUC 100 ※ ※	100					1.5		110
MUCA 16 ※ ※	16					0.37		
MUCA 40 ※ ※	40					0.75		
MUCA 63 ※ ※	63					1.1		
MUCA 100 ※ ※	100					1.5		
MUCB 16 ※ ※	16					0.37		
MUCB 40 ※ ※	40					0.75		
MUCB 63 ※ ※	63					1.1		
MUCB 100 ※ ※	100					1.5		

●MUC Overall Dimensions of MUC Series



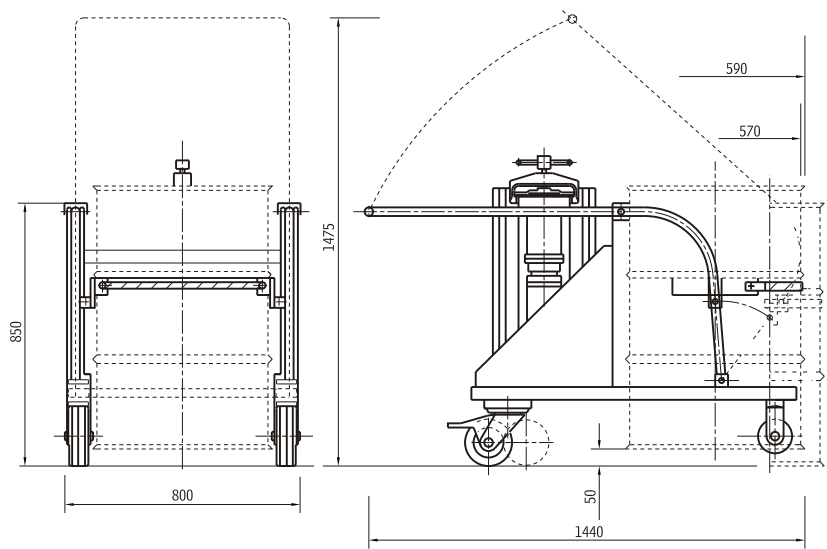
Model	Size(mm)		
	H	A	B
MUC 16 ※ ※	920	470	350
MUC 40 ※ ※	930	648	400
MUC 63 ※ ※	960	560	400
MUC 100 ※ ※	960	560	400

●MUCA Overall Dimensions of MUCA Series



Model	Size(mm)		
	H	A	B
MUCA 16 ※ ※	1060	650	450
MUCA40※ ※	1080	700	500
MUCA63※ ※	1120	740	500
MUCA 100※ ※	1120	740	500

●MUCB Overall Dimensions of MUCB Series



Model	Name of spare parts			
	Model of rough filter element	Model of fine Filter element	Seal(3) HG4-692-67	PVC forced Hose (Length 2m) (DN)mm
MUC 16 ※ ※	MWU-16x100	MZX 16 ※ ※	20x40x10	Suntion, Return Φ19
MUC 40 / MUCB40※ ※	MWU-40x100	MZX 40※ ※	25x45x10	Suntion Φ32, Return Φ25
MUC 63 / MUCB63※ ※	MWU-63x100	MZX 63※ ※	25x45x10	Suntion Φ32, Return Φ25
MUC 100 / MUCB100※ ※	MWU-100x100	MZX 100※ ※	30x50x10	Suntion Φ32, Return Φ25

Name of spare parts						
Model	Model of rough filter element	3 Classes Filter Bowl			(3)Seal HG4-692-67	PVC forced Hose (Length 2m) (DN)mm
		Model of rough filter elemen I	Model of rough filter element II	Model of fine filterelement		
MUC 16 ※ ※	MWUA-16x100	MXXA1-16x80	MXXA2-16x80	MZXA 16※ ※	20x40x10	Suntion, Return Φ19
MUC 40※ ※	MWUA-40x100	MXXA1-40x80	MXXA2-40x80	MZXA 40※ ※	25x45x10	Suntion Φ32, Return Φ25
MUC 63※ ※	MWUA-63x100	MXXA1-63x80	MXXA2-63x80	MZXA 63※ ※	25x45x10	Suntion Φ32, Return Φ25
MUC 100※ ※	MWUA-100x100	MXXA1-100x80	MXXA2-100x80	MZXA 100※ ※	30x50x10	Suntion Φ32, Return Φ25

●Operation, Maintenance and Repair

- (1)Avoiding the possible counter rotation of the oil pump while starting themachine, otherwise it may lead to the out blown of the axle sealand entering of air.
- (2) Air might be introduced into the machine during the operation and affectthe oil flow. To ensure the rated flow and normal operation of the fine filterelement, the discharge valve should be opened in time to release the air until oilcan be seen at the outlet of the discharge valve, then close the discharge valveclosed.
- (3) After a certain period of peration, coarse cleaner could be graduallycontaminated and noise of pump might occur, you should stop the machine in order to cean the filter element
- (4) Dirt might stick to the elements of fine filter, causing a rise of thepressure in the filter bowl. When the pressure hits 0.4 MPa, the elements should be the changed in time
- (5) The suction and oiloutettube should always be kept clean.
- (6) Should the pushcart filter fail to pump oil, please check:
 - a. The rotating direction of the pump;
 - b. Whether the sealings between the tank and oil inlet are properly; the oiinletis above the oil surface or oil runs out;
 - c. If the e ements of rough fil ter are stuck.
- (7) If the oil flow distinctly reduced, please check:
 - a. Whether the elements of rough and fine fi ters are stuck with filter.
 - b. Whether an out bowl of the axle seal has occurred due to wear or counter rotation.
- (8) If a sudden pressure drop occurs, please check whether the elements of fine filter have been damaged.