

MUCD Series Mobile Oil Filter Pushcart

Description

The MUCD series consists of high-flow portable oil filtration units; the overall frame of these units is equipped with heavy-duty swivel wheels. The flow rate ranges from 40 to 100 L/minute, and they can operate on 380V industrial three-phase power supply – some models with lower flow rates are available for use with 220V power. These units feature a three-stage filtration system and are designed for use in large oil storage tanks, large hydraulic stations, power plants, and construction machinery for centralized oil filtration. They are used for adding new oil, cleaning contaminated oil through recycling, and flushing pipelines; they only remove solid particles without altering the original physical and chemical properties of the oil.

Core Structure

1. Pre-position high-flow oil absorption and coarse filtration to prevent large impurities from protecting the oil pump.
2. Fine filtration, the fineness of filter element is 3 ~ 30 μm , and the cleanliness can reach. NAS6 level 6.
3. Large-flow gear pump, supporting pressure gauge, built-in overflow valve and motor thermal overload protection.
4. Widen the stable trolley frame, quickly open the filter cartridge, and make the oil inlet and outlet pipes transparent to facilitate the observation of oil quality.



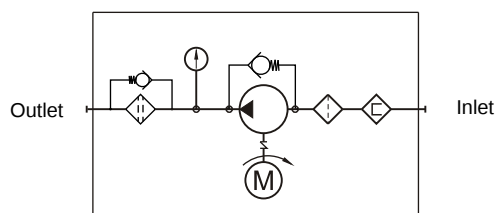
Features

1. High-flow and high-efficiency treatment, with a larger amount of oil to be treated once, which is suitable for large-capacity oil tanks and oil depots to filter oil in batches, with high operation efficiency.
2. Heavy-duty mobile frame, thick universal wheel, stable bearing and convenient long-distance transportation in the factory.
3. Multiple safety protection: automatic overpressure relief, motor overheating protection, and real-time judgment of filter plug by differential pressure meter.
4. Pumping oil, replenishing oil, circulating filtration and pipeline flushing are multifunctional. 5. Quick-opening filter cartridge is tool-free and easy to maintain; Standard hydraulic oil, turbine oil and gear oil can be adapted, and water glycol model can be customized.

Application Scenarios

Hydraulic system in large steel mills, turbine oil stations in power plants, construction machinery repair shops, large injection molding machines and centralized oil depots can quickly purify large-capacity oil, reduce the wear of pumps, valves and cylinders, and reduce equipment downtime and maintenance.

Oil Circuit Diagram



● Ordering Optional Table

MUCD - 100 - F - 10

Device model

MUCD: Fine pushcart filter

Flow rate (L/min)

40 63 100

Filter element material

F: Glass fiber
W: Stainless steel wire mesh

Filter fineness(μm)

3、 5、 10、 20

● Technical Parameters

Model	Flow rate (L/min)	Filtr. (μm)	Initial P (MPa)	Power of motor(Kw)	Voltage(V)	Fine Element	Rough Element
MUCD 40	40	3	< 0.02	0.75	AC: 380	1300R ON	MWU-100x100
MUCD 63	63	5		1.1			
MUCD 100	100	10		1.5			
		20					

● Overall Dimensions

