MLS Portable Filter Unit

Description

MLS is a small, portable electric oil filtration unit – an integrated, portable filtering device that operates on 220V household power. It is designed for the on-site filling of hydraulic and lubricating oils as well as for their offline purification, and it allows for temporary bypassing of the oil filtration system.

Features

·Flow rate: 10 L/min; rated operating pressure: 0.5 MPa; motor power: 180 W; total weight of the device: approximately 10.4 kg; it comes with a handle for easy carrying, as well as transparent hoses for inlet and outlet connections.

·2 Class Filtration: It features a coarse oil strainer to protect the gear pump, along with a precision filter element at the front; the filter fineness pressure gauge, a relief valve for pressure release, and thermal protection against motor overload. It operates with low noise and has a strong self-priming capability.

·The special version MHLS.BH is suitable for use in water-ethylene glycol media, and an explosion-proof model can be customized for using in outdoor and high-altitude environments.

Features

Portable and compact: the whole machine is lightweight and single-handed, and there is no threshold for mobile operations in workshops, construction sites and equipment sites. Simple operation: open the filter cartridge quickly, replace the filter element quickly, and plug in the oil pipe to pump, filter and fill oil into one. Safe and durable: built-in overflow valve prevents overpressure, coarse filtration blocks large particles, and prolongs the life of oil pump and main filter element. Multi-purpose: without changing the physical and chemical properties of oil products, it is universal for daily maintenance, new oil filling and off -line purification of old oil.

Applicable Media & Application Scenarios

Suitable for low-viscosity mineral hydraulic oils, lubricants, and turbine oils; used in machine tools, construction equipment, hydraulic stations, and lubrication stations:

1. Refueling, filling, and filtering of new equipment.
2. Regular oil change for equipment, along with online bypass purification.
3. Extraction of oil from tanks and on-site filtering of impurities in the oil.
4. Mobile oil filtration services for use in power plants, metallurgy, and mechanical maintenance operations in field settings.

●Ordering Optional Table

MLS - 10 - N - 10

Device model

Flow rate (L/min)

10

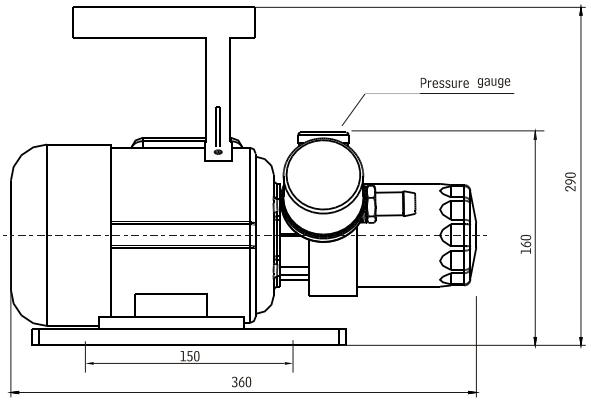
Seals

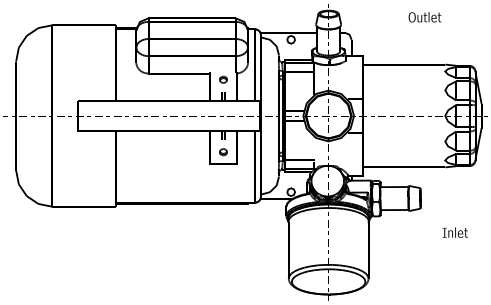
N: NBR, V: FKM

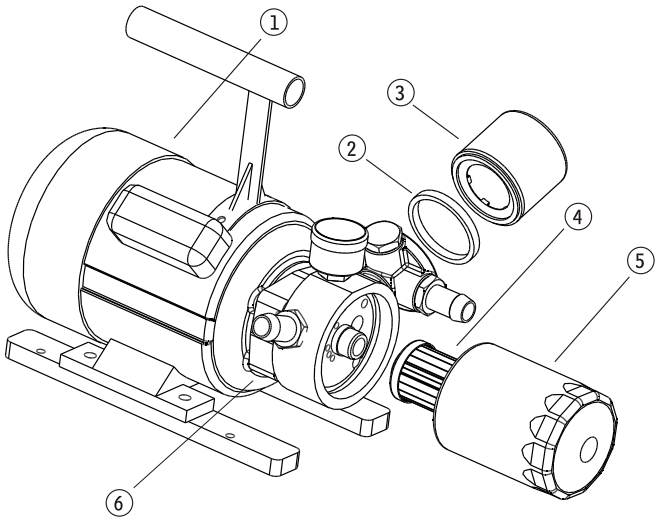
Filter fineness(μm)

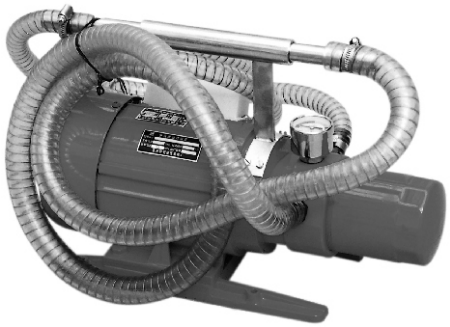
10 20 30

● Technical Parameters









Number	Name	Note
1	Motor	
2	Seal	Wearing Parts
3	Suction Element	Wearing Parts
4	Return Element	Wearing Parts
5	Housing	
6	Pump	