



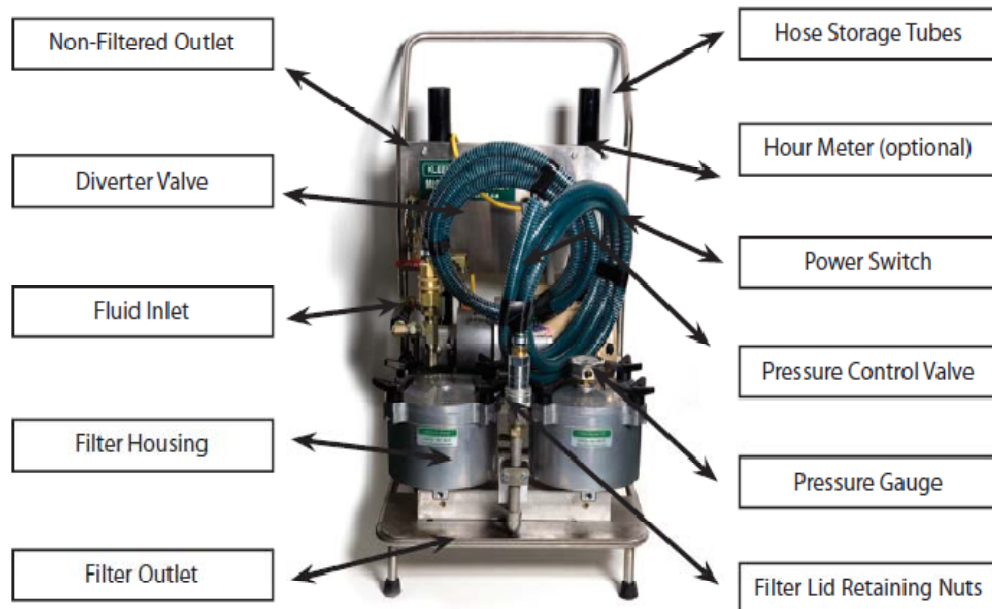
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Kleenoil Off-Line Micro-Filtration Cart

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Kleenoil's Off-Line Micro-Filtration Cart is a multi-purpose fluid cleaning and transfer machine. It is ideal for cleaning most hydraulic, gear, and transmission fluid reservoirs and, because of its portable design, the unit can be used for fuel tank purging on trucks, construction equipment, and boats as well as for oil and fuel transfer and rotational cleaning of factory and industrial equipment. The specially designed Kleenoil filter achieves an ISO 4406 Cleanliness Code of 14/9; well below the original standards of the equipment's original manufacturers and distributors. By filtering down to one micron, the Off-Line Micro-Filtration Cart minimizes the amount of dirt and debris within a machine and, as a result, will dramatically cut down on repair and maintenance costs.

Parts and Features (Side View)





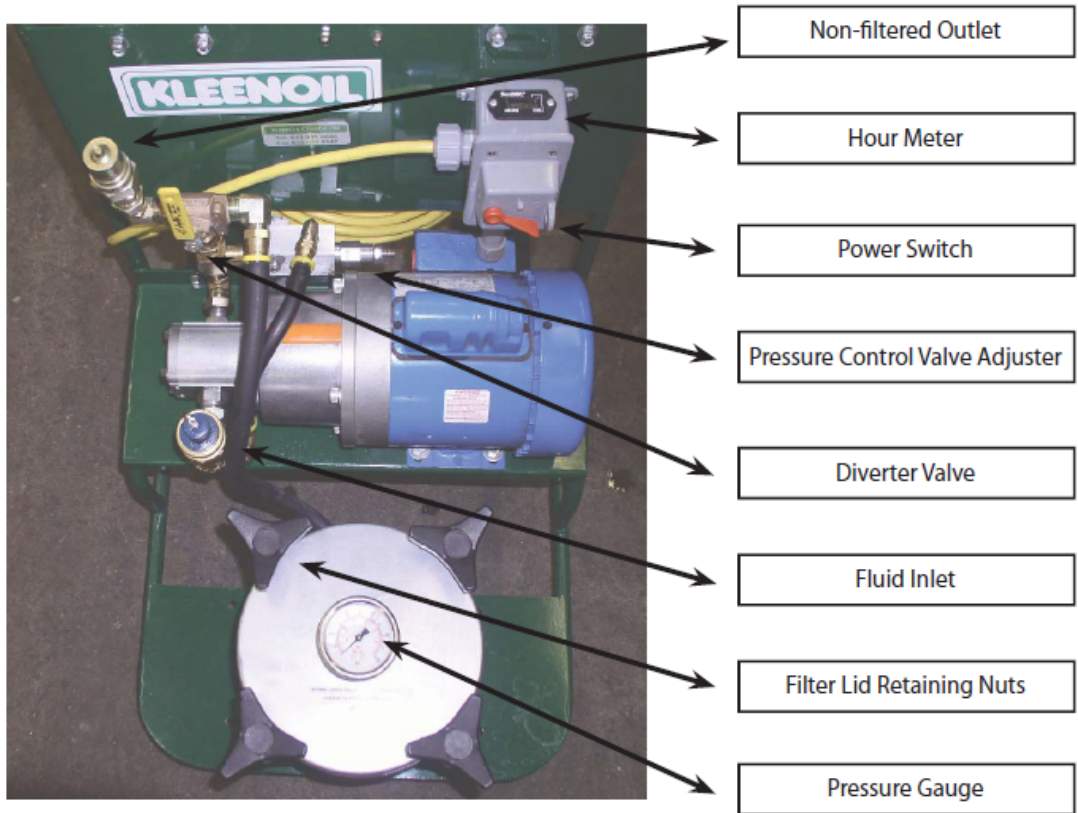
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The unit's operation is simple. The fluid enters the filter system via the fluid input. There are two outlets: one for filtered fluid and another for non-filtered fluid which is used when only transferring fluid from one machine to another. Pressure can be monitored by the pressure gauge and controlled by the nearby pressure control valve. Always ensure that the pressure does not exceed 75 lbs. PSI. Also, never run the machine without hoses connected to the fluid inlet and at least one of the two outlets.

Parts and Features (Top View)





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Trouble Shooting

Here are some helpful tips that, if followed, will ensure that the mobile filtration cart works safely and effectively...

Do:

- Ensure that hoses are connected to both the inlet and one of the outlets.
- Ensure that the power cable is connected to a suitable supply that is properly grounded.
- Ensure that the power cord is in good condition and not frayed or kinked.
- Ensure that the Kleenoil Off-Line Mobile Filtration Cart is always stable on a flat surface while operating.
- Remember to change the filter cartridge.

Don't:

- Never run the unit without hoses connected to the inlet and one of the outlets.
- Never let the pressure exceed 75 lbs per square inch on the pressure gauge.
- Never let the unit run dry. Always ensure there is fluid in the pump.
- Never run unit connected to an ungrounded power source.

Changing Filter Cartridges

The filter cartridge should be changed if there is a decrease in flow from the filtered outlet or if the reading on the pressure gauge increases without any valve adjustment. As a rule of thumb, Kleenoil suggests changing the cartridge after 250 hours of operation. To change the filter cartridge, undo the four hand nuts evenly. Next, remove the lid and pick out the old "O"-ring gasket. Take the new filter cartridge out of the bag and use the bag to cover your hand. With your hand covered, insert a finger in the center brass ring of the old filter and lift the cartridge out. Enclose the old filter within the plastic bag and dispose of it according to local regulations. Then, insert the new filter with the brass ring up into the housing. Install the new "O"-ring into the lid assembly and place it into the canister. Replace and tighten the hand nuts evenly. Do not use force or any type of wrench on those nuts. The machine is now ready to go with the new filter cartridge.

Diverter Valve

The newer Mark II model of the Off-line Micro-Filtration Cart now comes equipped with a valve which alternates flow through the filtered and non-filtered outputs. When the yellow lever on the valve is in the horizontal position, the flow will exit via the filtered output. When this lever is in the vertical position, the flow will exit directly via the non-filtered output, reducing cartridge wear. Make sure that lever is firmly set in either of these positions before use.

Pressure Control Valve

These machines are now fitted with a pressure control valve. This valve is preset at the factory and the settings must not be altered. Any tampering with the valve settings will void the warranty.