



INSTRUCTION MANUAL

ClearFlo PLUS System Oil Filtration System

Models covered:
CFP60000 / 700188
CFP50000 / 700190

2150 Elmwood Avenue - Buffalo, NY 14207
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Water Removal Unit – Operating Instructions

- The Mokon water removal system is a portable unit intended to remove water from contaminated heat transfer fluid.
- It utilizes a small spur gear pump to circulate the contaminated fluid from Mokon's cool oil reservoir, through two water removal elements and back to the reservoir.
- A diverter valve is provided that will bypass the filter elements allowing this unit to be used as a transfer pump.
- To use as a water removal unit, connect the suction hose to the reservoir drain port on the Mokon unit. The discharge hose may be inserted into the reservoir fill connection.
- Position the diverter valve to direct the oil to the filter elements. Plug the power cord into an appropriate 110 volt receptacle and turn the switch to the "on" position. As the elements become loaded with water, the pump discharge pressure will rise.

It will become necessary to replace both elements when the pump discharge pressure reaches 60 to 65 PSI OR after two uses, whichever comes first.

WARNING: If the elements become saturated beyond their capacity, they could collapse on themselves and break apart, finding their way to the reservoir. Using the same elements more than twice may not only void the warranty on the Water Removal System, but also the warranty on the hot oil unit!

- Once the oil is circulating through the Mokon water removal system, start up the Mokon hot oil system and turn the controller set point to 75 F. This will keep the unit in the cooling mode so that the fluid in the heating area and process will mix with the fluid in the reservoir.
- Allow 20 to 30 minutes for a single zone unit and up to one hour for a three zone unit.
- At this time, switch the Mokon water removal system off. Shut off the fluid from the reservoir drain to the suction hose. Remove the hose and switch on the Water Removal Unit to return as much of the residual oil back to the reservoir as possible. **DO NOT RUN THE PUMP DRY.** Remove the discharge hose from the top of the reservoir and resume normal operation of the Mokon unit.

Wall Mounted Unit

If you purchased the wall mounted unit, make sure the bottom of the plate (where the pump is located) is as close to the floor as possible to allow adequate priming of the pump. The pump should be no higher than three feet off the ground.

Element Change

TURN UNIT OFF. Unscrew and remove the T-Bolts. Hold open the test drain valve and allow oil to drain into a suitable container for about 10 minutes. This will allow most of the oil to drain from the housings; making the element change cleaner. Remove the lid and pull on the hook to remove the element. You may have to wiggle it slightly in order to get it out.

DO NOT REMOVE THE PLASTIC SKIRT FROM THE ELEMENT. Insert the new element, pushing firmly by hand until seated. At EVERY element change, check the U-ring gasket as well as the O-ring gasket on the T-bar, and replace if necessary. If the U-ring gasket stayed on the lid, remove it and install it on the rim of the canister, ensuring that the lips are not folded under. Install the T-bolt and firmly hand-tighten. The Water Removal Unit is now ready for service.

Transfer Pump Operation (No Water Removal)

Insert the suction hose into the container to be drained. And discharge hose into the container to be filled. Position the diverter valve to bypass the water removal elements. Turn the switch on and observe the unit during transfer operation. Turn off the unit when pumping is completed. **DO NOT RUN THE PUMP DRY!**

ClearFlo & ClearFlo PLUS WARRANTY

All new ClearFlo/ClearFlo PLUS filter systems manufactured by MOKON are guaranteed to be free from defective material or workmanship for a period of one (1) year from the date of purchase. MOKON'S obligation under the WARRANTY SHALL BE LIMITED, TO THE ORIGINAL CUSTOMER, TO REPAIR OR REPLACE DEFECTIVE PART(S) OF THE SYSTEM, UPON CUSTOMER COMPLIANCE WITH THE INSTRUCTIONS CONTAINED HEREIN. Upon discovery of any alleged defect, it is the responsibility of the customer to contact the MOKON service department with the complete model number, serial number and the date of purchase. MOKON'S obligation under this warranty is limited to make good, from or at its factory, any parts that are returned to the company (prepaid) and deemed to be defective, within the time frame of the warranty. The customer also has the option of forwarding the system to MOKON (Buffalo, NY), prepaid by the customer and with a return authorization from MOKON for inspection and component replacement or repair. Repair or replacement in any manner provided above shall constitute a fulfillment of all liabilities of MOKON concerning the quality of the ClearFlo/ClearFlo PLUS system. Expendable elements are not covered under this warranty.

No allowances, credits or reimbursements will be made for any replacement or repair made or provided for by the customer unless authorized in advance, in writing, by MOKON.

THE WARRANTY SET FORTH ABOVE IS IN LIEU OF ANY AND ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. MOKON SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL DAMAGES OR FOR ANY BREACH OF WARRANTY IN AN AMOUNT EXCEEDING THE ORIGINAL PRICE.



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