



Offline Filtration System

OF5HS/OF5HD Series

- Atex Approved Hazardous Location Motor

Operation & Service Manual

Removing Elements From the K9 Housing

Equipment required: 1 ½" box end or socket wrench, a container to hold dirty elements and fluid from the filter housing, and a small cup of grease.

Step 1

Remove filter housing cap using the 1 ½" wrench and inspect the O-ring.

Step 2

Remove element(s), compression spring and spring plate. Separate elements (if there are stacked elements) and retain the element connector. Discard the elements with synthetic or cellulose media. Clean thoroughly and dry metal re-usable elements.

Step 3

Drain K9 filter housing.

Installing New or Cleaned Elements

Step 1

Lubricate grommets located at each end of the replacement element(s). NOTE: DO NOT USE GREASE LUBRICANT IF FIRE RESISTANT FLUIDS ARE UTILIZED IN THE SYSTEM.

Step 2

If required, install connectors between elements. Then install spring plate and compression spring.

Step 3

Install element(s) into the filter housing, making sure elements are positioned correctly on the bushing in the porting head.

Step 4

Secure filter cap to filter housing using the 1 ½" wrench. NOTE: Filter elements require changeout when the Dirt Alarm is registering in the red area.

Precautionary Measures

! Be careful to minimize flow restrictions. Do not close any downstream valve during normal operation without adding external relief protection. A resulting pressure spike could cause filter damage and/or personal injury. If a downstream valve must be used, this valve must be locked in the open position during Kidney Loop operation.

! The Kidney Loop System is to be used solely for the purpose of providing auxiliary filtration. It is not intended to be used as a power unit or in conjunction with other components for the purpose of performing work.

- Never start up or run a dry pump. This will cause galling, seizing or destructive wear between the internal pump parts.
- The Kidney Loop System is designed for the transfer and filtering of hydraulic and lubrication oils only. It is not to be used for highly volatile fluids such as gasoline or paint thinners. Please contact factory for uses other than those specified.
- Since minimum repair service is generally required on these units, it is recommended that any failed parts be replaced with new parts. See the following parts lists.

! ¾ HP electric motor draws 2.84/1.42 amps at 230/460 volts, 60 Hz at full load. Starting current is approximately 8.9/4.5 amps at 230/460 volts, 60 Hz. A proper motor starter circuit should be installed to protect the motor and meet national and local electric codes.

PLEASE NOTE:

! This symbol marks an important note for the proper use of the unit / software. The non-observance of these notes can lead to product damage and/or personal injury.

Parts List Table Screw Pump Offline Filtration System

Atex Electric Motor (3/4HP 230/460VAC)	LF-10343
Pump 3GPM	LF-6742
Elements	CONTACT FACTORY
Bypass Valve	A-LF-2427-40
Pop-Up Dirt Indicator	D5-40

* NOTE: Under High Viscosities of fluids differential pressure may force the filter to go into bypass mode upon start up.

* Ensure power is disconnected prior to performing any maintenance to this unit

* Ensure motor rotation is correct for 3-phase operation

* Pumps require positive inlet pressure of at least 4PSI A.