HYDAC INTERNATIONAL

Fluid Service

OF5HS & OF5HD Series Manual

Removing elements from the Filter 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. Seperate 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 the filter housing.

Installing new or cleaned elements

Step 1
Lubricate grommets located at each end of the replacement element(s). NOTE: DO NOT USE ANY PETROLEUM BASED FLUIDS / LUBRICANTS DURING ASSEMBLY.

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

- Never start up or run a dry pump. This will cause galling, seizing or destructive wear between the rotors, end plates and casting.

- 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 volative 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.

- Electric motor warnings for the ¾ and 1 ½ HP models are as follows:

  - 1 ½ HP electric motor draws 4.6/2.5 amps at 230/460 volts, 60 Hz at full load. A proper circuit breaker should be installed to protect the motor and meet national and local electric codes. Recommended size for an extension cable is 14-4 conductor with a maximum length of 25 feet.

  - 1 ½ HP electric motor draws 12.6/6.3 amps at 115/230 volts, 60 Hz at full load. Starting current is approximately 88/44 amps at 115/230 volts, 60 Hz. A proper circuit breaker should be installed to protect the motor and meet national and local electric codes. Recommended size for an extension cable is 12-3 conductor with a maximum length of 25 feet.

Replacement Elements

Model Code	Part Number	Model Code	Part Number	Model Code	Part Number
5.03.09D03BN	02060528	5.03.18D03BN	02060430	5.03.27D03BN	02065003
5.03.09D03BN/-V	02056713	5.03.18D03BN/-V	02071680	05.03.27D03BN/-V	02082855
05.03.09D05BN	02060529	5.03.18D05BN	02060431	05.03.27D05BN	02065004
05.03.09D05BN/-V	02056714	5.03.18D05BN/-V	02056457	5.03.27D05BN/-V	02073488
05.03.09D10BN	02060530	5.03.18D10BN	02060432	05.03.27D10BN	02065005
05.03.09D10BN/-V	02056715	5.03.18D10BN/-V	02056492	05.03.27D10BN/-V	02056493
5.03.09D20BN	02060531	5.03.18D20BN	02060433	5.03.27D20BN	02065006
5.03.09D20BN/-V	02056716	5.03.18D20BN/-V	02072428	5.03.27D20BN/-V	TBD
5.03.09D10AM	02075265	HK/HJ (connector element)	02056730	5.03.27D40AM	02088358

Replacement Parts

Item	Component	7 gallon part number	14 gallon part number
1	Electric Motor	LF-6544	LF-6472
2	Vane Pump Cartridge	LF-6468	LF-6478
3	Bypass Valve	A-LF-2427-30	A-LF-2427-30
4	Dirt Indicator	A-LF-2547	A-LF-2547