



# Filter Systems

## OFCD-G2538 Series

### Manual

#### **Connecting the OFCD Series to the fluid reservoir**

Note: Hoses and connector tubes are supplied with the OFCD.

1. Connect the supplied inlet hose to the inlet port on the OFCD. Then connect the inlet hose to the reservoir, or connect the connector tube to the inlet hose and place tube inside reservoir opening.
2. Connect the supplied outlet hose to the outlet port on the OFCD. Then connect the outlet hose to the reservoir, or connect the connector tube to the outlet hose and place tube inside reservoir opening.
3. Check that the power source being utilized complies with the requirements of the filtration cart motor before actual hook-up.
4. Switch on the Mobile Filtration System's motor. Visually check that the fluid is actually being pumped through the OFCD and out of the outlet hose.

#### **Achieving the best Filtering Efficiency**

1. In order to ensure the proper cleaning of the reservoir fluid, position the ends of both the inlet and the outlet hose or tube as far apart as possible inside the reservoir - preferably on different sides of the existing baffles.
2. Cycle the hydraulic system thoroughly in order to flush the contaminated fluid from the lines and system components so all the fluid in a system will be filtered through the OFCD.
3. Operate the Mobile Filtration System until the total volume of the system fluid passes through the OFCD. Cycle the reservoir fluid through the OFCD six to eight times to insure the total system fluid is filtered completely.

#### **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.

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

#### **Installing new or cleaned elements**

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.
  2. If required, install connectors between elements. Then install spring plate and compression spring.
  3. Install element(s) into the filter housing, making sure elements are positioned correctly on the bushing in the porting head.
  4. Secure filter cap to filter housing using the 1 ½" wrench.
- NOTE: Filter elements require change-out when the Dirt Alarm is registering in the red area.

HYDAC has used our best endeavours to ensure the accuracy of the contents of this document. However, errors cannot be ruled out. Consequently, we accept no liability for such errors as may exist or for any damage or loss, whatsoever which may arise as a result of such errors. The content of the manual is checked regularly. Any corrections required will be incorporated in subsequent editions. We welcome any suggestions for improvements. All details are subject to technical modifications.

## 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 Mobile Filtration 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.
- The maximum operating temperature for the OFCD is 150°F. Higher temperatures could damage the hoses.
- 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 3/4 and 1 1/2 HP models are as follows:
  - 3/4 HP electric motor draws 10.6/5.3 amps at 115/230 volts, 60 Hz at full load. Starting current is approximately 70/35 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.
  - 1 1/2 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
5.03.27D03BN	02065003
5.03.27D03BN/-V	02082855
5.03.27D05BN	02065004
5.03.27D05BN/-V	02073488
5.03.27D10BN	02065005
5.03.27D10BN/-V	02056493
5.03.27D20BN	02065006
5.03.27D20BN/-V	TBD
5.03.27D40AM	02088358
HK/HJ ( <i>connector element</i> )	02056730

## Replacement Parts

Item	Component	Part Number
1	Electric Motor	LF-6744
2	Screw Pump	LF-6742
3	Suction / Discharge Hose	LF-9597
4	Wand	LF-6559
5	Bypass Valve	A-LF-2427-40
6	Dirt Indicator	D5V-40
7	C-Face	LF-6743
8	Motor Coupling	100-5/8 x 3/16
9	Pump coupling	100-1/2 x 1/8
10	Neoprene Insert	170N