



AUTOMATIC FABRIC FILTRATION SYSTEM

OPERATION AND
SERVICE GUIDE
O-285
MARCH 1995

MODELS	PRICE CODE NO.
DFS-1.5-PP	49-1415
DFS-1.5-CPP	49-1139

Refer to Bulletin F-701 and
Parts List P-8050.

SAFETY PRECAUTIONS BEFORE STARTING

1. Read operating instructions and instructions supplied with chemicals to be used.
2. Refer to Chemical Resistance Data Chart for compatibility of materials in solution contact with solution to be used.
3. Personnel should always wear suitable protective clothing: face mask or goggles, apron and gloves.
4. Ensure that all fittings and connections are properly tightened.

MATERIALS IN SOLUTION

Frame - Polypropylene or CPVC

Belt - Polypropylene

Seals - Vinyl

Shaft - PVC

Pillow Blocks - Delrin

Float Rod - 303 stainless steel

Fasteners - 316 stainless steel

Sprockets - polypropylene

BEFORE CHANGING APPLICATION OR PERFORMING MAINTENANCE

1. Wear protective clothing as described in item 3 above.
2. Flush unit thoroughly with a neutralizing solution to prevent possible harm to personnel.
3. Verify compatibility of materials as stated above.

PRE START-UP

1. Install filter in a level position.
2. Record model number and serial number of filter, pump and motor for reference.
3. Check power supply for proper voltage .
4. Provide power supply to starter.
A: Starter has three positions-
OFF: Shuts off power to drive motor.
HAND: Will start motor to drive conveyor. Turn to "OFF" position to stop drive motor.
AUTO: Will operate drive only when liquid on fabric reaches the correct level or when float arm is lifted manually.
5. Install pump and level control assembly, if provided.
6. Complete the piping from the pump or gravity over flow drain if provided.
7. The first roll of filter fabric should be threaded under the guide rod (#34). The fabric then can be tucked under the seals on each side of the conveyor until the bed is covered with fabric. This method must

be used only once, the first time the new fabric is placed in the filter. Wetting the fabric while on the conveyor will also aid in the advancement of first few feet of new media.

Succeeding rolls may be fed into the filter by merely taping the trailing edge of the old fabric with the leading edge of the fresh roll by a few inches. From this point the filter will index the fresh fabric into the filter automatically on demand.

START-UP & OPERATION

1. Source of dirty liquid should be directed into the diffuser tray suspended across the filter bed.
2. Observe filter operation for one full cycle to verify flow rate, clarity, proper operation of the float switch and indexing. (Fabric will not index properly if liquid level is low).
3. The float is set at the factory. The float should cause the fabric to index when the liquid level reaches a point approximately $\frac{3}{4}$ " below the side rails of the filter. To adjust the indexing level remove the drive and cover plate (#22). Loosen the socket set screw at the switch actuator (#14) and move to change the indexing level. Retighten and replace the cover.
4. Sludge and spent fabric will be deposited in sludge box which should be emptied when full.
5. If unit is supplied with sump pump and float switch for pumping clean liquid out of reservoir, verify operation of liquid level control for pumping out of clean reservoir.

MAINTENANCE

1. The filter should require little maintenance other than the changing of Disposa-Fabric.
2. Several different grades of Disposa-Fabric are listed on the Product Bulletin. Refer to Selection Chart or consult factory for recommendation.

FILTRATION TIPS

1. This filter will only operate properly when used under correct operating conditions; with a pool of liquid on top of the filter media. Do not expect the fabric to index properly until the pool has reached its maximum depth. If the filter does not index due to mechanical failure, electrical failure or some other reason the liquid will overflow into the tank below the filter.
2. Order a replacement roll of Disposa-Fabric so it is immediately available for installation when the original roll is consumed.
3. When ordering replacement parts please specify filter model, serial number, item number and parts number.



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