

HORIZONTAL DISC FILTRATION SYSTEMS

BULLETIN
F-150E
AUG. 1993

Offers the finest in particle retention for . . .

**THIS WAS
REPLACED
BY F-155**

Shown with optional slurry tank,
valves and carbon chamber

ELECTROPLATING / CHEMICAL WASTE TREATMENT INDUSTRIAL / SWIMMING POOL

- **Non-metallic solution contact**
Chemically resistant PVC, CPVC
See Chemical Resistance Chart.
- **High flow rates** - To 3600 GPH (3000 LPH)
- **Large surface area**
7.5 to 33 sq. ft. (.7 to 3 sq. M) for maximum
dirt holding capacity.
- **Convenient precoating and
carbon treatment**
- **Molded polypropylene plates**

SERFILCO DISC FILTRATION SYSTEMS are designed for high quality filtration of plating baths and other chemical solutions. The high surface area and positive I.D. and O.D. edge seal of all filter discs assures optimum performance and clarity. These systems may be used unprecoated, precoated with filter aid or with a blend of filter aid and activated powdered carbon.

Basic system includes choice of seal-less or mechanical seal pump-motor assembly with flow control valve and PVC or CPVC filter chamber with CPVC piping all mounted on a corrosion resistant base. Ten feet of suction and discharge hose is provided. Slurry tank and flow control valves for pump priming, precoating and chemical

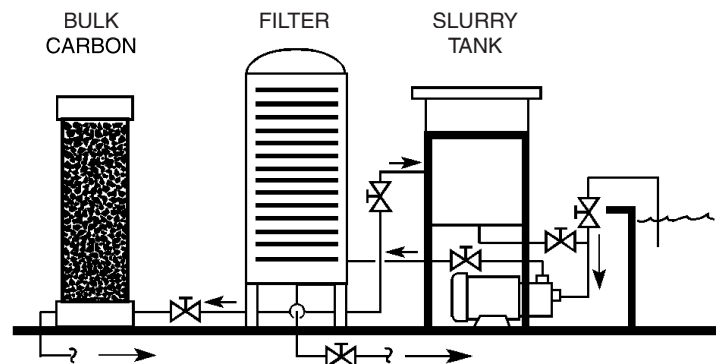
additions, portable bases, motor starters and separate carbon and priming chambers are available as optional equipment.

Discs impregnated with activated carbon are also available and used (by themselves or in combination with standard filter discs) to accomplish the proper degree of organic removal. Chambers may be serviced by draining and simply lifting the entire disc stack assembly out. This method provides for the least mess and minimal solution loss. With the disc stack removed, each disc can be rinsed off or the disc media changed. Filter disc media ordered separately.

Available with three methods of carbon purification . . .

1. **Powdered carbon
precoat with filter aid**
2. **Powdered carbon
impregnated in disc media**
3. **Granular carbon
in separate chamber**

Bulk carbon chamber for 7½, 13, or 22½ lbs. of activated granular carbon in refillable canisters can be provided with the filter assembly allowing for selective sidestream purification of filtered solution when required and at total operator convenience.



with **CARBON PURIFICATION CHAMBER,
SLURRY TANK AND VALVES**

PVC SYSTEM with SEAL-LESS MAGNETIC-COUPLED PUMP

SYSTEM PRICE CODE NUMBER ^{2,3}	NUMBER OF DISCS	SURFACE AREA		OVERALL DIM. (Inches)	PIPE SIZE	FLOW RATE	PUMP	MOTOR H. P.	MOTOR 3450 RPM, TEFC	SHIP WT.
		SQ. FT.	SQ. M	L x W x H	INCHES	U.S. GPH	MAX. PSI			LBS.
PD8D.5	21	7.5	.7	50 x 18 x 32	1¼	1000	21	½	115-230V/1/50-60 ¹	240
PD16D.5	43	15.8	1.46	50 x 18 x 42	1¼	1800				275
PD24D.75	66	24.4	2.27	50 x 18 x 52	1½	2500	28	¾		300
PD33D.75	89	33	3.07	50 x 18 x 62	1½	2500			340	

¹ To specify optional three phase motor (230-380-460V/3/50-60) use separate Price Code Number **O-3PH**. (No change in price.)

² To replace Ryton bushing with Chemic for use with chrome use separate Price Code Number **O-CB**.

³ 'P' models are PVC; for CPVC change **P** to **C** in Price Code Number.

PVC SYSTEM with MECHANICAL SEAL² DIRECT DRIVE PUMP

SYSTEM PRICE CODE NUMBER ³	NUMBER OF DISCS	SURFACE AREA		OVERALL DIM. (Inches)	PIPE SIZE	FLOW RATE	PUMP	MOTOR H. P.	MOTOR 3450 RPM, TEFC	SHIP WT.
		SQ. FT.	SQ. M	L x W x H	INCHES	U.S. GPH	MAX. PSI			LBS.
PD8HC.5	21	7.5	.7	50 x 18 x 32	1¼	1000	13	½	115-230V/1/50-60 ¹	240
PD16HC.75	43	15.8	1.46	50 x 18 x 42	1¼	1800	20	¾		275
PD24HK1.5	66	23.7	2.2	50 x 18 x 52	1½	3600	21	1½		300
PD33HK1.5	89	31.6	2.90	50 x 18 x 62	1½	3600	21	1½	340	

¹ To specify optional three phase motor (230-380-460V/3/50-60) use separate Price Code Number **O-3PH**. (No change in price.)

² Pump is CPVC with sleeved shaft, EPDM "O" ring, Type 21 external mechanical seal, (Viton, carbon, ceramic).

³ 'P' models are PVC; for CPVC change **P** to **C** in Price Code Number

To order double seal pump; change, **HC** or **HK** in Price Code Number to **HCD** or **HKD** respectively and add \$120.00 to price.

**FILTER DISC MEDIA (ordered separately)
packaged in quantities of 100**

DISC MODEL NUMBER	RATING	1-4 CARTONS	5-9 CARTONS
		PRICE CODE NUMBER	
CE 5x9	5 MICRON	78-1235	78-1235A
CE 10x 9	10 MICRON	78-1236	78-1236A
CE 20 x 9	20 MICRON	78-1226	78-1226A
CE 40 x 9	40 MICRON	78-1237	78-1237A
C x 9	10 MICRON CARBON	78-1227	78-1227A

OPTIONAL EQUIPMENT	PRICE CODE NO.
PORTABLE: Two fixed wheels, two swivel casters and pull handle, completely installed	O-2042
SLURRY TANK & VALVES: For chemical mixing, pump priming or precoating. Includes polyethylene tank with PVC frame, CPVC piping, four PVC ball valves and tank strainer.	-7 gallon O-2084 -11 gallon O-2072
PURIFICATION CHAMBER WITH CARBON CANISTERS: For use with granular carbon, completely installed. Includes PVC chamber, extended base, adapter kit, flow control valve, petcock drain and 10' of 3/4" vinyl reinforced hose.	-Single 28" canister, 7.5 lbs. O-1528 -Three 28" canisters, 22.5 lbs..... O-3528 -Three 48" canisters, 39 lbs. O-3548
MOTOR STARTER: Mounted and wired, magnetic type with overload protection and on/off button. <i>(Please specify voltage)</i>	
-Watertight, 115-230/1/50-60	O-MS1P
-Watertight, 230-460/3/50-60	O-MS3P
-Watertight, 230-460/3/50-60, with control circuit step-down transformer. For use with Dri-Stop Pump Protector, below.	O-MS3P S
PUMP PROTECTION: (See Bulletin A-105 for complete details)	
-Dri-Stop 3 - for use with magnetic-drive or single seal pumps (mounts in pump discharge)	O-DS3C
-Dri-Stop 2R - for use with double seal pump	O-DS2R
PRIMING CHAMBER: (See Bulletin A-107 for complete details)	
-For 1¼" pipe systems, polypropylene	O-PC4
-For 1½" pipe systems, Noryl®/PVC	O-PC6