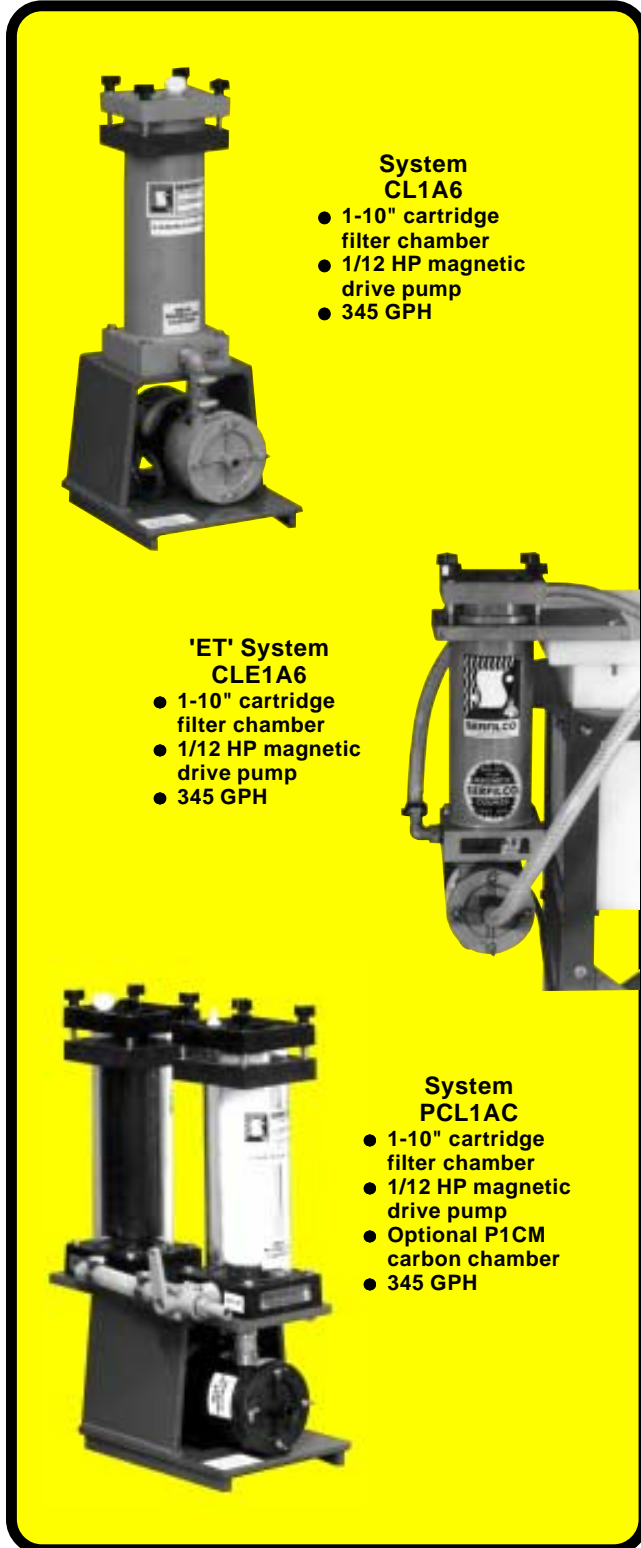


LABMASTER[®] FILTRATION SYSTEMS

COMPACT, ECONOMICAL FILTRATION AND PURIFICATION



**System
CL1A6**

- 1-10" cartridge filter chamber
- 1/12 HP magnetic drive pump
- 345 GPH

**'ET' System
CLE1A6**

- 1-10" cartridge filter chamber
- 1/12 HP magnetic drive pump
- 345 GPH



**System
PCL1AC**

- 1-10" cartridge filter chamber
- 1/12 HP magnetic drive pump
- Optional P1CM carbon chamber
- 345 GPH

- **Flow rates to 345 GPH @ 60 Hz**
provides 10 turnovers per hour on 35 gallon tanks
- **Non-metallic solution contact**
Select materials of construction for compatibility with solutions, operating temperature and pressure.

Labmaster Filtration Systems are compact, corrosion resistant and extremely simple to operate. Choice of construction materials allows use with most liquids, including harsh chemicals at elevated temperatures.

To order, select:

Seal-less Magnetic-Coupled Pump

Systems utilize Series 'A' magnetic-coupled pumps which provide protection from vapor and liquid leaks. Pumps available in a variety of engineering grade plastics to suit chemistry and temperature, including polypropylene, CPVC and PVDF.

then select:

Filter Chamber for solids holding capacity*

Constructed of clear PVC, polypropylene, CPVC or PVDF. Standard elastomers are EPDM (Viton[®] with PVDF). Chambers accept depth wound, pleated, cleanable sleeve, and carbon cartridges. Chamber allows for simultaneous filtration and purification by using carbon cartridges. Separate purification chamber with flow control valve available. See options on next page.

LABMASTER 'ET'

Designed for off-the-floor, Edge-of-Tank mounting where floor space is not available. Convenient cartridge replacement. Accepts full range of depth wound and carbon cartridges.

Optional:

Carbon Purification

Purification is accomplished by using replaceable carbon cartridges or refillable bulk granular carbon Mini-Canister. Flow of filtered solution is selectively diverted through carbon chamber with a 3-way valve.

** Select a system which will provide 3.5 - 7.0 square ft. of solids holding area per 50 gallons of solution. Flow rate should be 2 - 10 tank turnovers per hour, depending on clarity desired. Coarse media and high flows are desirable for high dirt load applications. Increasing the number of cartridges reduces solution flow per cartridge, improves efficiency and reduces cartridge consumption. It is desirable to choose a system with chamber height above the solution level to eliminate the need to re-prime after each filter media change.*

LABMASTER FILTRATION SYSTEMS Specifications

Standard LABMASTER systems include:

- Corrosion resistant PVC hooded mounting base.
- Vinyl suction and discharge hoses¹, 6 ft. x 5/8" each (wire reinforced with CPVC systems, nylon reinforced with others, hose not included with PVDF).
- Priming bulb and suction strainer.
- Thumb-grip vent plug with "O"-ring seal on filter chamber.
- 1/12 H.P., 115V/1/50-60 Hz, 3,000 RPM, TEFC motor with ON-OFF switch and 8 ft. of 3-wire cord with plug.

PCL Polypropylene pump, clear PVC chamber, temp. to 140°F *

Systems for mild acid (non-fluoride) and alkalis including electroless copper and gold.

PPL Polypropylene pump and filter chamber, temp. to 160°F *

Systems for nickel sulfamate, acid copper, copper cyanide, and zinc chloride.

CL CPVC pump and filter chamber, temp. to 195°F *

Systems for nickel sulfamate, acid copper, copper cyanide, zinc chloride, most fluoborate baths and high temperature cleaners.


KL PVDF pump and filter chamber, temp. to 210°F *

Systems for electroless nickel and nickel acetate seal.

* Always consult a chemical resistance guide.

TO ORDER

LABMASTER SYSTEM NO.				'ET' SYSTEM NO.		FLOW RATE (U.S. GPH)	MEDIA ²	SOLIDS AREA Sq. Ft.	DIMS. L x W x H Inches	SHIPPING WEIGHT Lbs.
PCL	PPL	CL	KL	PCL	CL					
PCL.4A6	—	CL.4A6	—	PCLE.4A6	CLE.4A6	240	1 - 4"	1.4	10 x 8 x 15¾	14
PCL.6A6	—	CL.6A6	—	—	—	300	1 - 6"	2.1	10 x 8 x 17¾	18
PCL1A6	PPL1A6	CL1A6	KL1A6	PCLE1A6	CLE1A6	345	1 - 10"	3.5	10 x 8 x 21¾	23
PCL2A6	PPL2A6	CL2A6	KL2A6	PCLE2A6	CLE2A6	345	2 - 10"	7.0	10 x 8 x 31¾	30
PCL3A6	PPL3A6	CL3A6	KL3A6	PCLE3A6	CLE3A6	345	3 - 10"	10.5	10 x 8 x 41¾	37
—	—	CL4A6	—	—	—	345	4 - 10"	14.0	10 x 8 x 51¾	42

¹  **CAUTION:** Do not use vinyl hose when system is to be used at 150°F (66°C) or higher. System suction and discharge should be hard piped. Refer to Accessories for installation fittings.

IMPORTANT:
² Order filter media separately. Refer to Filter Media.

OPTIONAL

DESCRIPTION	PRICE CODE NO.
Thermometer in cover, 60-220°F	O-T
Pressure gauge in cover, 0-15 PSI	O-P15
Motor starter, NEMA 4, watertight	O-MS1P
Motor, 208-240V/1/50-60	change 6 to 5 in Sys. No.
Flow control valve (CPVC), for pump discharge	O-CV12
Viton "O"-rings	O-LV
222 "O"-ring seat (Consult Sales Dept.)	
Sleeve assembly CPVC & PP	10" O-1001 20" O-2001 30" O-3001

CARBON PURIFICATION CHAMBER ² with flow control valve, hose & drain	PRICE CODE NO.	
	CPVC	PVC
Includes ABS mini-canister / CPVC or clear PVC chamber for 0.9 lbs. granular carbon 10" canister 2.1 lbs. granular carbon 20" canister 3.2 lbs. granular carbon 30" canister	O-C1CM O-C2CM O-C3CM	O-P1CM O-P2CM O-P3CM
Includes CPVC or clear PVC chamber for 1.2 lbs. granular carbon 2.5 lbs. granular carbon 3.8 lbs. granular carbon	O-C1C O-C2C O-C3C	O-P1C O-P2C O-P3C
Includes CPVC or clear PVC chamber for 0.6 lbs. 10" carbon cartridge 1.2 lbs. 20" carbon cartridge 1.8 lbs. 30" carbon cartridge	O-C1CC O-C2CC O-C3CC	O-P1CC O-P2CC O-P3CC

See Page 172 for Priming Chambers.

Specifications subject to change without notice.