



# SERFILCO®

## SPACE-SAVER® FILTRATION SYSTEMS

BULLETIN  
F-209A  
JULY 1999

### COMPACT - HIGH FLOW - RUNS DRY



For use with process liquids requiring — non-metallic solution contact, positive containment, high level of solution clarity, minimal downtime and maintenance. Especially suitable for:

**PRINTED CIRCUIT BOARD PROCESSING,  
ELECTROPLATING, CLEANERS, RINSES.**

#### FEATURES

- High flow rates —  
1800 - 3200 GPH @ 60 Hz
- Series 'M' magnetic-coupled pumps  
*run dry without damage!*
- Suitable for electroplating and chemical solutions
- High filter area and flow rate in a compact package
- Pressure gauge, vent plug and drain port are standard
- Economical to buy and maintain

#### BENEFITS

- Improve finished goods quality, eliminate scrap and rework.
- Reduce chemical consumption by maintaining solution integrity.
- Minimize downtime and maintenance costs with a dry run magnetic-coupled pump.
- Higher continuous flow than competitive models.

#### SPECIFICATIONS

##### SYSTEM:

These new high flow Space-Saver filtration systems feature our new Series 'M' dry run magnetic coupled pump and motor assemblies and each is assembled on a durable FRP hooded base. This arrangement protects the pump motor and supports the filter chamber at a convenient height for cartridge changing. Elastomers are Viton®, hardware is

stainless steel. Polypropylene and CPVC systems come complete with quick disconnect fittings, and 10' suction and discharge hoses. Systems are available with a polypropylene pump and a polypropylene or CPVC chamber, or with a PVDF pump and chamber.

**SERFILCO — worldwide leader in service, dependability and design for over 35 years.**

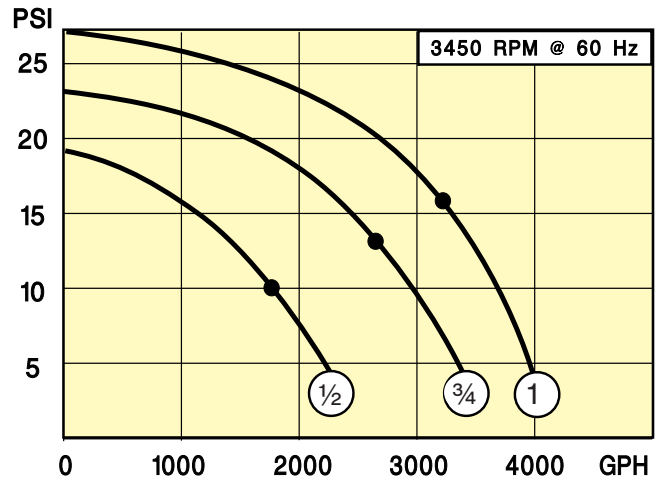
**60 Hz**

**SPECIFICATIONS**

**PUMP:**

New magnetic-coupled pumps allow extended dry run operation without pump damage. Powerful magnets will handle specific gravities to 1.4. Pumps feature stainless steel hardware and are molded of glass filled polypropylene or carbon filled PVDF with standard Viton 'O'-ring. Other wetted components are high purity carbon, silica-free ceramic and carbon filled PTFE. Motors are NEMA 56C, continuous duty with 2-part epoxy paint and stainless steel tag. 1 HP models are 230-460/3/50-60; 1/2 and 3/4 HP models are 115-230/1/50-60. Eight foot electric cord is included. Single phase units also include plug.

● realistic system flow



**CHAMBER:**

Industry proven rugged design available in CPVC, polypropylene or PVDF. Four swing bolt cover closure with 'T'-handles for easy cartridge change. No tools are required. Chambers also include 0-30 PSI gauge with guard assembly, plugged drain port and air vent plug. Chamber elastomers are Viton. External hardware is stainless steel.

FLOW vs PSI Δ P	MAX. PSI @ TEMPERATURE			
	TEMP.	PP	C	K
5 PSI @ 32 GPM	120°F	40	65	80
15 PSI @ 68 GPM	140°F	35	50	70
with 15 micron Maxi-Depth Filters	170°F	15	30	55
	200°F	NR	20	45

NR – Not recommended

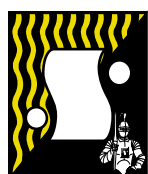
**ORDERING INFORMATION**

FLOW GPH @ 60 Hz	MEDIA	SURFACE AREA <sup>1</sup> Sq. ft.	SYSTEM NUMBER	HP	SUCTION x DISCHARGE CONNECTIONS	DIMENSIONS L x W x H Inches	SHIP. WT. Lbs.
1800	3 - 20"	21	* S6M105	1/2	1" x 1" NPT	17 1/2 x 14 1/2 x 40	100
	3 - 30"	31.5	* S9M105			17 1/2 x 14 1/2 x 50	110
	3 - 40"	42	* S12M105			17 1/2 x 14 1/2 x 60	120
2600	3 - 20"	21	* SH6M208	3/4	1 1/2" x 1 1/4" NPT	17 1/2 x 14 1/2 x 40	105
	3 - 30"	31.5	* SH9M208			17 1/2 x 14 1/2 x 50	115
	3 - 40"	42	* SH12M208			17 1/2 x 14 1/2 x 60	125
3200	3 - 20"	21	* SH6M310	1.0	1 1/2" x 1 1/4" NPT	17 1/2 x 14 1/2 x 40	110
	3 - 30"	31.5	* SH9M310			17 1/2 x 14 1/2 x 50	120
	3 - 40"	42	* SH12M310			17 1/2 x 14 1/2 x 60	130

<sup>1</sup> Surface area with recommended Maxi-Depth (refer to Bulletin M-109) or Valuound (M-111) filter cartridges. Order media separately.

\* Insert: **C** for CPVC chamber and polypropylene pump  
**PP** for polypropylene chamber and pump  
**K** for PVDF chamber and pump (PVDF systems have 1" NPT discharge)

Consult Application Engineering Dept. for 50 Hz models.



**SERFILCO, LTD.**

1777 Shermer Road 847-559-1777  
Northbrook, IL 60062-5360 U.S.A. 800-323-5431  
Email: sales@serfilco.com FAX: 847-559-1995  
Web: http://www.serfilco.com

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