

**FOR FILTRATION & PURIFICATION OF  
PROCESS SOLUTIONS:**

**ELECTROPLATING / CARBON PURIFICATION  
WATER TREATMENT / CLEANING  
PHOTOGRAPHIC / PHARMACEUTICAL  
CHEMICAL / PETROCHEMICAL / BEVERAGE**

**FEATURES:**

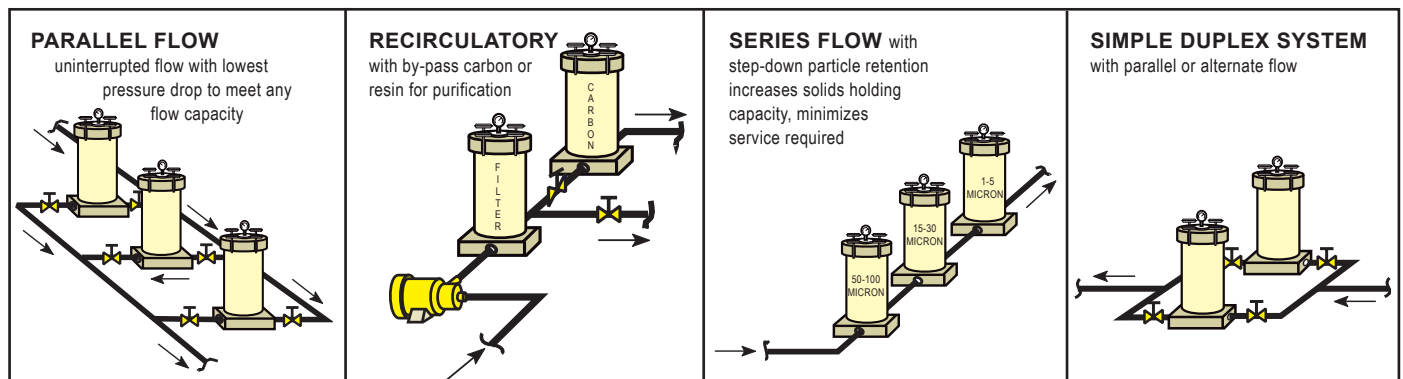
- **Non-metallic solution contact**  
CPVC, polypropylene, PVC and pure PVDF construction  
(See a chemical resistance chart)
- **Heavy duty construction**
  - Pressure ratings to 135 PSI (931 KPa)  
(See Pressure/temperature table on next page)
  - Swing bolt cover closure with tee handle
- **Variety of sizes**  
From 3 to 12 - 10" cartridge capacity  
(or equivalent 20", 30", or 40" lengths.)
- **Port size 1" NPT**  
Metric and flange available
- **"O"-ring seal at cover & vent valve**  
EPDM (standard), Viton® (optional)
- **Easy servicing, no tools required**

**For use with a variety of filter media (order separately)**

- Depth wound, pleated, carbon or membrane cartridges
- Positive cartridge seal for -  
Standard - DOE . . . Double Open End  
Optional - SOE . . . Single Open End for 222 "O"-ring

**FLOW RATE**

Flow rates up to 68 GPM depending upon style and length of filter cartridge, solids content, viscosity, pressure drop, and degree of clarity desired. Pressure ratings of filter chambers depend upon the temperature of solutions being filtered. See Pressure/temperature table on next page.





## SPECIFICATIONS

### Series 'S' Plastic Filter Chambers include:

- Pressure ratings to 135 PSI
- Non-metallic solution contact
- EPDM "O" - ring standard, Viton® Optional
- Swing bolt cover closure w/ SS swing bolts & bracket
- Integral shell-base assembly
- Inlet to outlet at 90° or 180° aspect
- 0 - 60 PSI pressure with gauge guard and vent valve

### PL CPVC Base & Cover, PVC Shell

PVC shell sealed to base, EPDM "O" - ring at cover. Polypropylene vent valve, cross posts and springs. For DOE Cartridges.

### CL CPVC Base, Cover, and Shell

CPVC shell sealed to base, EPDM "O" - ring at cover. Polypropylene vent valve, cross posts and springs. For DOE Cartridges.

### PPL Polypropylene Base, Cover and Shell

Polypropylene\* shell sealed to base, EPDM "O" - ring at cover. Polypropylene vent valve, cross posts and springs. For DOE Cartridges.

\*glass reinforced polypropylene

### KL PVDF Base, Cover and Shell

PVDF shell sealed to base, EPDM "O" - ring at cover. PVDF vent valve, cartridge posts and internals. For DOE Cartridges.

## PRESSURE/TEMPERATURE

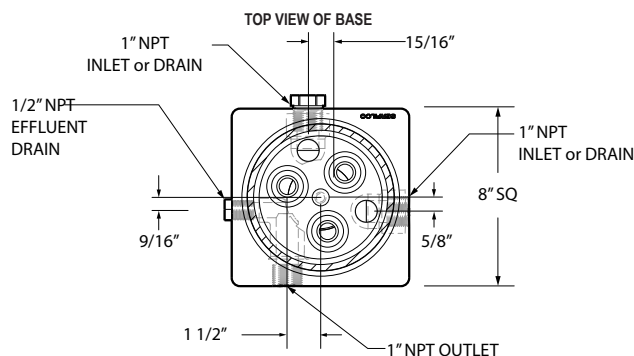
| FLOW RATE vs. PRESS. DIFF. <sup>1</sup> |                   |                   |
|---|-------------------|-------------------|
| CONN.                                   | @ 5 PSI           | @ 15 PSI          |
| 1"                                      | 30 GPM<br>114 LPM | 58 GPM<br>220 LPM |

<sup>1</sup> With 15 micron depth wound cartridges.

| MAX. PSI PRESSURE AT OPERATING TEMP. |                   |                     |                   |                     |                  |                  |
|--------------------------------------|-------------------|---------------------|-------------------|---------------------|------------------|------------------|
| TEMP.                                | PL                |                     | CL                |                     | KL               | PPL              |
|                                      | *with cover plate | without cover plate | *with cover plate | without cover plate | with cover plate | with cover plate |
| 70°F                                 | 135               | 100                 | 135               | 100                 | 120              | 50               |
| 100°F                                | 100               | 85                  | 110               | 85                  | 95               | 45               |
| 120°F                                | 65                | 55                  | 90                | 65                  | 80               | 40               |
| 140°F                                | 35                | 30                  | 70                | 50                  | 70               | 35               |
| 170°F                                | —                 | —                   | 45                | 30                  | 55               | 15               |
| 200°F                                | —                 | —                   | 25                | 20                  | 45               | —                |

\* See Optional for cover reinforcing plate.

## DIMENSIONS

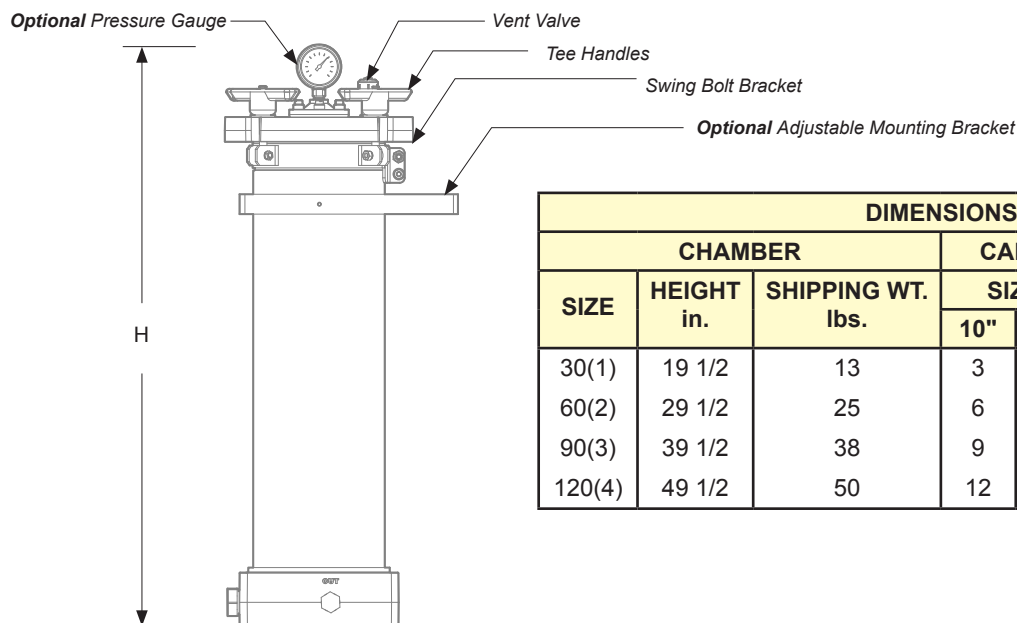




# SERIES 'S' | PLASTIC FILTER CHAMBERS

C-106\_W  
Page 3

2900 MacArthur Blvd. Northbrook, IL. USA 60062 [www.serfilco.com](http://www.serfilco.com) (800) 323 - 5431



| DIMENSIONS |            |                   |                            |     |     |     |             |
|------------|------------|-------------------|----------------------------|-----|-----|-----|-------------|
| CHAMBER    |            |                   | CARTRIDGES - Max dia. 2.7" |     |     |     |             |
| SIZE       | HEIGHT in. | SHIPPING WT. lbs. | SIZE & NUMBER              |     |     |     | SOLIDS AREA |
|            |            |                   | 10"                        | 20" | 30" | 40" |             |
| 30(1)      | 19 1/2     | 13                | 3                          | -   | -   | -   | 10.5        |
| 60(2)      | 29 1/2     | 25                | 6                          | 3   | -   | -   | 21.0        |
| 90(3)      | 39 1/2     | 38                | 9                          | -   | 3   | -   | 31.5        |
| 120(4)     | 49 1/2     | 50                | 12                         | 6   | -   | 3   | 42.0        |

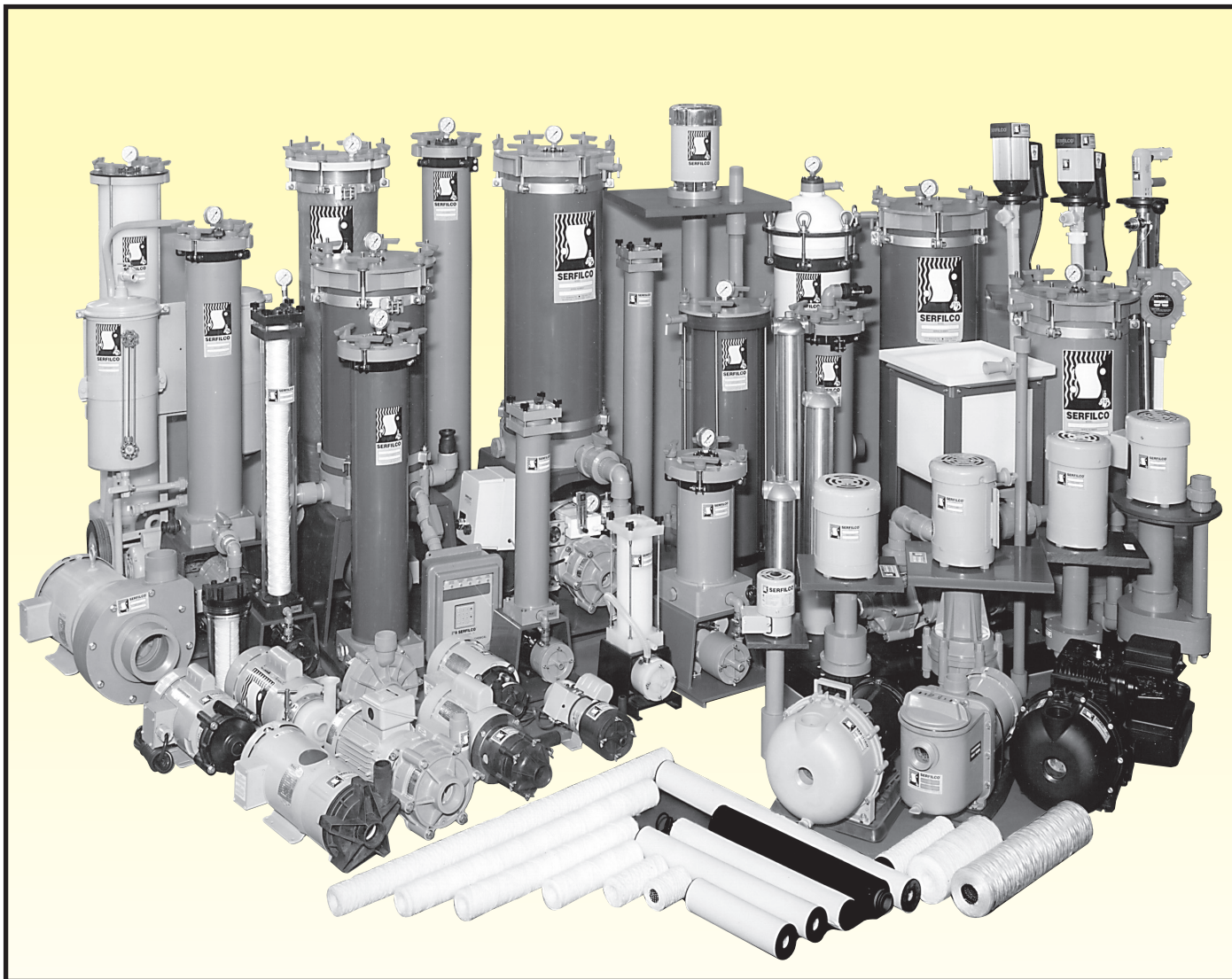
## TO ORDER, use Price Code Number

| DESCRIPTION |  | MODEL NUMBER w/ 1" NPT CONN. | PRICE CODE NO. |
|-------------|--|------------------------------|----------------|
| PL          | CPVC base and cover, PVC shell sealed to base                  | PL30(1)S-1-G3                | 78-1132        |
|             |  | PL60(2)S-1-G3                | 78-1133        |
|             |  | PL90(3)S-1-G3                | 78-1134        |
|             |  | PL120(4)S-1-G3               | 78-1135        |
| CL          | CPVC base, cover, and shell with shell sealed to base          | CL30(1)S-1-G3                | 78-0250        |
|             |  | CL60(2)S-1-G3                | 78-0251        |
|             |  | CL90(3)S-1-G3                | 78-0252        |
|             |  | CL120(4)S-1-G3               | 78-0253        |
| KL          | PVDF base, cover, and shell with shell sealed to base          | KL30(1)S-1-G3                | 78-0450 A      |
|             |  | KL60(2)S-1-G3                | 78-0451 A      |
|             |  | KL90(3)S-1-G3                | 78-0452 A      |
|             |  | KL120(4)S-1-G3               | 78-0453 A      |
| PPL         | Polypropylene base, cover, and shell with shell sealed to base | PPL30(1)S-1-G3               | 78-1040 A      |
|             |  | PPL60(2)S-1-G3               | 78-1041 A      |
|             |  | PPL90(3)S-1-G3               | 78-1042 A      |
|             |  | PPL120(4)S-1-G3              | 78-1043 A      |

## OPTIONAL EQUIPMENT

| TO ORDER                              | DESCRIPTION  | ADD to MODEL NO.               | ADD to PRICE CODE NO. |
|---------------------------------------|--|--------------------------------|-----------------------|
| Viton elastomers                      | Viton gaskets gauge diaphragm  | Change L to V in Model Number. | -V                    |
| Mounting bracket                      | PVC 11" x 8" x 1" (279 x 203 x 25mm)   | Use prefix S                   | 88-0556-1             |
| Reinforcing plate                     | For PL, CL models.   | -                              | 88-0597-1             |
| 222 "O"-ring cartridge seat           | For SOE (single open end flat top) cartridges. (2.7" max dia.)<br>Top seats, springs, cross posts not furnished. | -2                             | -2                    |
| PVDF flange connections for KL models | 1" (25mm) (Specify 90° or 180° orientation)  | -F                             | -F                    |

# Also available from SERFILCO:



## Your one-stop source for pumping, filtration and purification needs!

**SERFILCO** can help you realize the economic value of clarification and purification of your process solutions and waste streams. Our wide range of pumps, filters, packaged systems, accessories and related control instruments make it possible for you to take advantage of one-stop shopping for all of your liquid handling needs. With modern filtration technology at work in your facility, you can reduce waste, lower your manufacturing costs, and enhance product integrity.

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