

SERIES 'S' PLASTIC FILTER CHAMBERS

For filtration & purification of process solutions:

**WATER TREATMENT / FOOD PROCESSING
CLEANING / PHOTOGRAPHIC
ELECTROPLATING / PHARMACEUTICAL
CHEMICAL / PETROCHEMICAL / BEVERAGE**

These filter chambers are designed for filtering process solutions where clarification will extend operating life and improve quality.

FEATURES:

- **Non-metallic solution contact**
(See a chemical resistance chart)
 - CPVC, polypropylene, PVC and pure PVDF construction
- **Heavy duty construction**
 - Pressure ratings to 135 PSI (931 KPa)
(See Pressure/temperature table on next page)
 - 0-60 PSI pressure gauge, mounted on a gauge guard
 - SS swing bolt closure with tee handles on PVC and CPVC models
 - SS tie rod closure for polypropylene and PVDF models
 - Integral shell-base assembly
 - Inlet to outlet at 90° or 180° aspect
- **Variety of sizes are available**
From 3 to 15 - 10" cartridge capacity
(or equivalent 20", 30", or 40" lengths.)
- **Port sizes 1" NPT & 1 1/4" MNPT**
Flange, socket, 1" BSP and metric available
- **"O"-ring seal at cover & vent**
EPDM (standard), Viton® (optional)

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
- Cleanable sleeves (used with or without precoat)

FLOW RATE

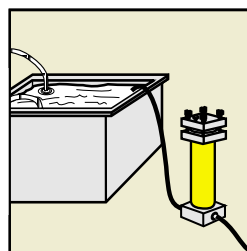
Flow rates up to 68 GPM depending upon style and length of filter cartridge, solids content, viscosity, pressure drop, size of connection and degree of clarity desired. Pressure ratings of filter chambers depend upon the temperature of solutions being filtered. See Pressure/ temperature table on next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



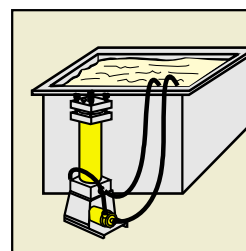
Model PL60(2)S-1-G3



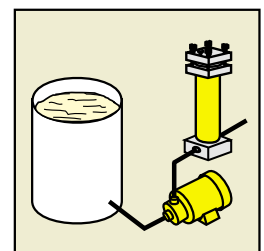
Model PPL30(1)-1-G3



IN-LINE
SINGLE PASS



RECIRCULATION
MULTI-PASS



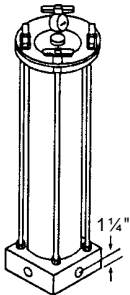
RECYCLING/
RE-USE

SERIES 'S' FILTER CHAMBERS (cont'd)

SERIES 'S' CHAMBERS

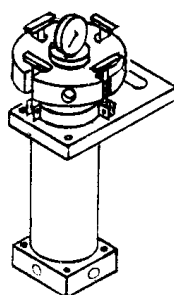
DESCRIPTION		MODEL NUMBER w/1" NPT CONN.	PRICE CODE NO.	MODEL NUMBER w/1 1/4" MNPT CONN.	PRICE CODE NO.
PL	CPVC base and cover, PVC shell sealed to base, SS swing bolt bracket and SS cover swing bolts w/tee handles. EPDM "O"-ring at cover and polypropylene vent valve. CPVC internals, cross post & drain plugs. Polypropylene springs. For DOE cartridges.	PL30(1)S-1-G3	78-1132	PL30(1)S-1 1/4-G3	78-1044
		PL60(2)S-1-G3	78-1133	PL60(2)S-1 1/4-G3	78-1045
		PL90(3)S-1-G3	78-1134	PL90(3)S-1 1/4-G3	78-1046
		PL120(4)S-1-G3	78-1135	PL120(4)S-1 1/4-G3	78-1047
		PL150(5)S-1-G3	78-1242	PL150(5)S-1 1/4-G3	78-1246
CL	CPVC base and cover, CPVC shell sealed to base, SS swing bolt bracket and SS cover swing bolts w/tee handles. EPDM "O"-ring at cover and polypropylene vent valve. CPVC internals, cross post & drain plugs. Polypropylene springs. For DOE cartridges.	CL30(1)S-1-G3	78-0250	CL30(1)S-1 1/4-G3	78-1166
		CL60(2)S-1-G3	78-0251	CL60(2)S-1 1/4-G3	78-1167
		CL90(3)S-1-G3	78-0252	CL90(3)S-1 1/4-G3	78-1168
		CL120(4)S-1-G3	78-0253	CL120(4)S-1 1/4-G3	78-1169
		CL150(5)S-1-G3	78-1243	CL150(5)S-1 1/4-G3	78-1247
KL	PVDF base and cover, PVDF shell welded to base. SS steel tie rods w/tee handles. EPDM "O"-ring at cover and vent plug. PVDF internals, polysulfone cross post and PVDF coated springs, PVDF drain plugs, FRP cover plate. For DOE cartridges.	KL30(1)-1-G3	78-0450	Not Available	Not Available
		KL60(2)-1-G3	78-0451		
		KL90(3)-1-G3	78-0452		
		KL120(4)-1-G3	78-0453		
		KL150(5)-1-G3	78-1244		
PPL	Polypropylene base, cover, and shell, with shell welded to base. SS steel tie rods w/tee handles. EPDM "O"-ring at cover and polypropylene vent valve. PVDF internals, polysulfone cross post and polypropylene springs. FRP cover plate and polypropylene drain plugs. For DOE cartridges.	PPL30(1)-1-G3	78-1040	PPL30(1)-1 1/4-G3	78-1174
		PPL60(2)-1-G3	78-1041	PPL60(2)-1 1/4-G3	78-1175
		PPL90(3)-1-G3	78-1042	PPL90(3)-1 1/4-G3	78-1176
		PPL120(4)-1-G3	78-1043	PPL120(4)-1 1/4-G3	78-1177
		PPL150(5)-1-G3	78-1245	PPL150(5)-1 1/4-G3	78-1248

TIE ROD CLOSURE



MODELS: KL & PPL
Shown w/ standard cover reinforcing plate

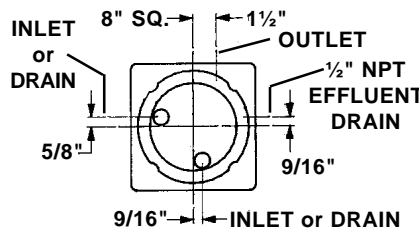
SWING BOLT CLOSURE



MODELS: PL & CL
Shown w/ optional mounting bracket

FLOW RATE vs. PRESS. DIFF. ¹		
CONN.	@ 5 PSI	@ 15 PSI
1"	30 GPM 114 LPM	58 GPM 220 LPM
1 1/4"	32 GPM 121 LPM	68 GPM 257 LPM

¹ With 15 micron depth wound cart.



TEMP.	MAX. PSI PRESSURE AT OPERATING 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												
CHAMBER					CARTRIDGES - Max. dia. 2.7"				SLEEVE SET (CPVC & POLYPROPYLENE)			
SIZE	HEIGHT		SHIPPING WT.		SIZE & NUMBER				SOLIDS AREA sq. ft.	LENGTH in.	SOLIDS AREA sq. ft.	PRICE CODE NO.
	in.	mm	lbs.	kg	10"	20"	30"	40"				
30(1)	19 1/2	495	13	6	3	-	-	-	10.5	10	1.8	78-0194
60(2)	29 1/2	749	25	11	6	3	-	-	21.0	20	3.6	78-0195
90(3)	39 1/2	1003	38	17	9	-	3	-	31.5	30	5.4	78-0196
120(4)	49 1/2	1257	50	23	12	6	-	3	42.0	40	7.2	78-0416
150(5)	59 1/2	1511	62	29	15	3	& 3	-	52.5	50	9.0	78-0418

OPTIONAL

TO ORDER	DESCRIPTION	ADD to MODEL NO.	ADD to PRICE CODE NO.
Viton elastomers	Viton gaskets and gauge diaphragm	Change L to V	-V
Mounting bracket (Adjustable)	CPVC (swing bolt closure only) 9" x 8" x 1" (229 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.) Top seats, springs, cross posts not furnished.	-2	-2
PVDF flange connections for KL models	1" (25mm) (Specify 90° or 180° orientation)	-F	78-0477
Chamber with center port for single 5/2" diameter pleated cartridge			Consult Sales Department

Specifications subject to change without notice.