

COMPACT, ECONOMICAL FILTRATION AND PURIFICATION



System CS9D6

- 3-30" cartridge filter chamber
- ½ HP magnetic drive pump
- 1200 GPH



System PPSH9D7

- 3-30" cartridge filter chamber
- ¾ HP magnetic drive pump
- 2400 GPH

- **Non-metallic solution contact**
Select materials of construction for compatibility with solutions, operating temperature and pressure.
- **Flow rates to 4200 GPH @ 60 Hz**
(13245 LPH @ 50 Hz)

SPACE-SAVER 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 may be selected with 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, Ryton®, CPVC (Corzan™) and PVDF (Kynar®).

or select

Single or Double Seal Pumps

Systems with mechanical seals may be selected whenever excessive abrasives or ferrous metal particulate are present. Double mechanical seals are recommended for high temperature and electroless solutions. Pumps available in CPVC or PVDF feature carbon ceramic seal faces and Viton® elastomers. Noryl® 'G' pump is self-priming and features silicon graphite seal faces with Viton elastomers.

then select

Filter Chamber for solids holding capacity*

Constructed of ABS/acrylic, PVC, polypropylene, CPVC or PVDF. Standard elastomers are EPDM (Viton with PVDF). Chambers accept depth wound, pleated, cleanable sleeve, and carbon cartridges. System may also be ordered for use with cleanable bags. Chamber allows for simultaneous filtration and purification by using carbon cartridges. Separate purification chamber with flow control valve available. See Options on page 4.

** 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.*

The following pages contain a representative sampling of standard Space-Saver systems.

STANDARD CARTRIDGE / SLEEVE FILTRATION SYSTEMS with seal-less magnetic drive pumps

Standard SPACE-SAVER systems include:

- Corrosion resistant hooded mounting base.
- Stainless steel or corrosion resistant external hardware and fasteners.
- Flow control valve with 1/2 and 3/4 HP magnetic drive units.
- PSI gauge guard and vent valve assembly included with all cartridge / sleeve systems 600 GPH and up.
- Systems 1 HP and up 230-460V/3/50-60 Hz, others 115-230V/1/50-60 Hz.
- Optional hose kits available (See Bulletin A-215).

System AL2B6

- 1-20" cartridge filter chamber
- 1/6 HP magnetic drive pump
- 545 GPH



System CS6D6

- 3-20" cartridge filter chamber
- 1/2 HP magnetic drive pump
- Optional C3CM carbon chamber
- 1200 GPH

ABS & CLEAR ACRYLIC CHAMBER with POLYPROPYLENE PUMP

SYSTEM NUMBER	FLOW RATE	MAX. PUMP PSI	MEDIA ¹	SOLIDS AREA Sq. ft.	PUMP, H.P., CHAMBER	SUCT./ DISCH. CONN.	DIMS. L x W x H Inches	SHIP. WT. Lbs.
	GPH @ 60Hz							
AL2B6	545	9	1 - 20"	7.0	B, 1/6, L	3/4"	x 32	52
AL3B6	545	9	1 - 30"	10.5		12 x 10	12 x 10 x 42	55

POLYPROPYLENE CHAMBER with POLYPROPYLENE PUMP

SYSTEM NUMBER	FLOW RATE	MAX. PUMP PSI	MEDIA ¹	SOLIDS AREA Sq. ft.	PUMP, H.P., CHAMBER	SUCT./ DISCH. CONN.	DIMS. L x W x H Inches	SHIP. WT. Lbs.
	GPH @ 60Hz							
PPL2B6	545	9	1 - 20"	7.0	B, 1/6, L	3/4"	12 x 10 x 32	57
PPL3B6	545	9	1 - 30"	10.5			12 x 10 x 42	65
PPS6B6	600	9	3 - 20"	21.0	B, 1/6, S	3/4"	12 x 10 x 38	73
PPS9B6	600	9	3 - 30"	31.5			12 x 10 x 48	75
PPS12B6	600	9	3 - 40"	42.0			12 x 10 x 58	78

CPVC or PVC² CHAMBER with CPVC PUMP

SYSTEM NUMBER	FLOW RATE	MAX. PUMP PSI	MEDIA ¹	SOLIDS AREA Sq. ft.	PUMP, H.P., CHAMBER	SUCT./ DISCH. CONN.	DIMS. L x W x H Inches	SHIP. WT. Lbs.
	GPH @ 60Hz							
CL2B6 *	545	9	1 - 20"	7.0	B, 1/6, L	3/4"	12 x 10 x 32	57
CL3B6 *	545	9	1 - 30"	10.5			12 x 10 x 42	65
CL4B6 *	545	9	1 - 40"	14.0			12 x 10 x 52	73
CS6B6	600	9	3 - 20"	21.0	B, 1/6, S	3/4"	12 x 10 x 38	73
CS9B6	600	9	3 - 30"	31.5			12 x 10 x 48	75
CS12B6	600	9	3 - 40"	42.0			12 x 10 x 58	78

CPVC, PVC², or POLYPROPYLENE^{2A}, CHAMBER with POLYPROPYLENE PUMP

SYSTEM NUMBER	FLOW RATE	MAX. PUMP PSI	MEDIA ¹	SOLIDS AREA Sq. ft.	PUMP, H.P., CHAMBER	SUCT./ DISCH. CONN.	DIMS. L x W x H Inches	SHIP. WT. Lbs.
	GPH @ 60Hz							
CS6D6	1200	19	3 - 20"	21.0	D, 1/2, S	1"	16 x 13 x 40	105
CS9D6	1200	19	3 - 30"	31.5			16 x 13 x 50	110
CS12D6	1200	19	3 - 40"	42.0			16 x 13 x 60	120
CSH9D7	2400	24	3 - 30"	31.5	D, 3/4, S	1 1/2" x 1 1/4"	16 x 13 x 50	120
CSH12D7	2400	24	3 - 40"	42.0			16 x 13 x 60	130
CSH15D7	2400	24	3 - 50"†	52.5			16 x 13 x 70	140

PVDF CHAMBER with PVDF PUMP

SYSTEM NUMBER	FLOW RATE	MAX. PUMP PSI	MEDIA ¹	SOLIDS AREA Sq. ft.	PUMP, H.P., CHAMBER	SUCT./ DISCH. CONN.	DIMS. L x W x H Inches	SHIP. WT. Lbs.
	GPH @ 60Hz							
KL3B6	545	9	1 - 30"	10.5	B, 1/6, L	3/4"	12 x 10 x 42	70
KS9D6	1200	19	3 - 30"	31.5	D, 1/2, S	1"	16 x 13 x 50	115
KS12D7	2100	24	3 - 40"	42.0	D, 3/4, S	1 1/2" x 1"	16 x 13 x 60	135

STANDARD CARTRIDGE / SLEEVE FILTRATION SYSTEMS with mechanical seal pumps

CPVC CHAMBER with SINGLE SEAL CPVC PUMP ³

SYSTEM NUMBER	FLOW RATE	MAX. PUMP PSI	MEDIA ¹	SOLIDS AREA Sq. ft.	PUMP, H.P., CHAMBER	SUCT./ DISCH. CONN.	DIMS. L x W x H Inches	SHIP. WT. Lbs.
	GPH @ 60Hz							
CL2HC103	900	12	1 - 20"	7.0	HC, 1/3, L	1" x 3/4"	16 x 13 x 34	62
CL3HC103	900	12	1 - 30"	10.5		3/4"	16 x 13 x 44	65
CL4HC103	900	12	1 - 40"	14.0			16 x 13 x 54	68

CPVC or PVC ² CHAMBER with SINGLE SEAL CPVC PUMP ³

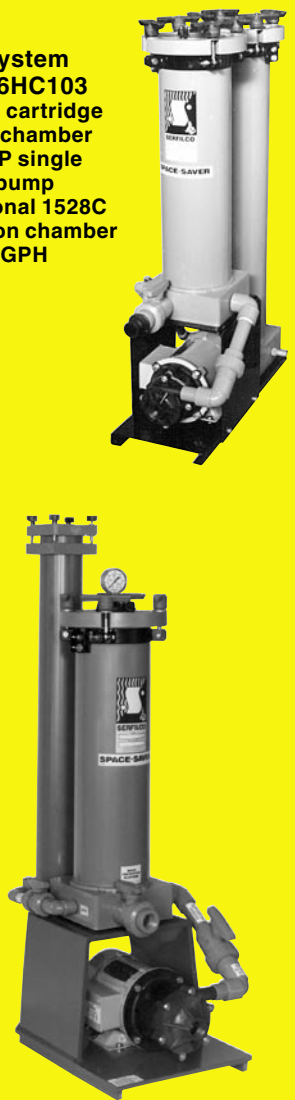
SYSTEM NUMBER	FLOW RATE	MAX. PUMP PSI	MEDIA ¹	SOLIDS AREA Sq. ft.	PUMP, H.P., CHAMBER	SUCT./ DISCH. CONN.	DIMS. L x W x H Inches	SHIP. WT. Lbs.
	GPH @ 60Hz							
CS6HC103	1200	12	3 - 20"	21.0	HC, 1/3, S	1"	16 x 13 x 40	56
CS9HC103	1200	12	3 - 30"	31.5			16 x 13 x 50	66
CS12HC103	1200	12	3 - 40"	42.0			16 x 13 x 60	76
CS9HC208	1800	20	3 - 30"	31.5	HC, 3/4, S	1"	16 x 13 x 50	120
CS12HC208	1800	20	3 - 40"	42.0			16 x 13 x 60	140
CSH9HK310	2400	18	3 - 30"	31.5	HK, 1, S	1 1/2" x 1/4"	16 x 13 x 50	125
CSH12HK310	2400	18	3 - 40"	42.0		1 1/4"	16 x 13 x 60	135
CSH9HK415	3000	23	3 - 30"	31.5	HK, 1-1/2, S	1 1/2" x 1/4"	16 x 13 x 50	130
CSH12HK415	3000	23	3 - 40"	42.0			16 x 13 x 60	140
CSH15HK415	3000	23	3 - 50"†	52.5			16 x 13 x 70	150

CPVC, PVC ² or PP ^{2A} CHAMBER with SELF-PRIMING NORYL PUMP

SYSTEM NUMBER	FLOW RATE	MAX. PUMP PSI	MEDIA ¹	SOLIDS AREA Sq. ft.	PUMP, H.P., CHAMBER	SUCT./ DISCH. CONN.	DIMS. L x W x H Inches	SHIP. WT. Lbs.
	GPH @ 60Hz							
CSH6GA05	1500	19	3 - 20"	21.0	G, 1/2, S	2" x 1/4"	16 x 13 x 40	100
CSH9GA05	1500	19	3 - 30"	31.5		16 x 13 x 50	110	
CSH12GA05	1500	19	3 - 40"	42.0		16 x 13 x 60	120	
CSH9GB08	2400	20	3 - 30"	31.5	G, 3/4, S	2" x 1/4"	16 x 13 x 50	120
CSH12GB08	2400	20	3 - 40"	42.0		16 x 13 x 60	130	
CSH9GC10	3300	25	3 - 30"	31.5	G, 1, S	2" x 1/4"	16 x 13 x 50	125
CSH12GC10	3300	25	3 - 40"	42.0		16 x 13 x 60	135	
CSH9GD15	4200	30	3 - 30"	31.5	G, 1-1/2, S	2" x 1/4"	16 x 13 x 50	130
CSH12GD15	4200	30	3 - 40"	42.0			16 x 13 x 60	140
CSH15GD15	4200	30	3 - 50"†	52.5			16 x 13 x 70	150

PVDF CHAMBER with PVDF PUMP ³

SYSTEM NUMBER	FLOW RATE	MAX. PUMP PSI	MEDIA ¹	SOLIDS AREA Sq. ft.	PUMP, H.P., CHAMBER	SUCT./ DISCH. CONN.	DIMS. L x W x H Inches	SHIP. WT. Lbs.
	GPH @ 60Hz							
KS6HC103	900	12	3 - 20"	21.0	HC, 1/3, S	1"	16 x 13 x 40	60
KS9HC208	1560	20	3 - 30"	31.5	HC, 3/4, S	1"	16 x 13 x 50	125
KS12HK310	2650	18	3 - 40"	42.0	HK, 1, S	1 1/2 x 1"	16 x 13 x 60	145



System CS6HC103

- 3-20" cartridge filter chamber
- 1/3 HP single seal pump
- Optional 1528C carbon chamber
- 1200 GPH

System CSH12GA05

- 3-40" cartridge filter chamber
- 1/2 HP self-priming mechanical seal pump
- 1500 GPH

IMPORTANT:

¹ Filter media is ordered separately. Refer to Bulletin M-109 (cartridges), M-108 (sleeves) or M-305 (carbon).
Listed system includes CPVC chamber.

² To order system with PVC chamber - Change **C** to **P** in System No.

^{2A} To order system with polypropylene chamber - Change **C** to **PP** in System No.

³ To order pump with double mechanical seal - Change **HC** to **HCD** or **HK** to **HKD** in System No.



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 Bulletin A-213 for installation fittings.

* PVC chamber not available.

† Consists of three 20" and three 30" cartridges.

STANDARD BAG FILTRATION SYSTEMS



System CSB5D7

- 5 sq. ft. bag filter chamber
- ¾ HP magnetic drive pump
- 2400 GPH

CPVC or PVC CHAMBER² with SEAL-LESS MAGNETIC DRIVE CPVC PUMP

SYSTEM NUMBER	FLOW RATE	MAX. PUMP PSI	BAG AREA ¹ Sq. Ft.	PUMP, H.P., CHAMBER	SUCT./ DISCH. CONN.	DIMS. L x W x H Inches	SHIP. WT. Lbs.
	GPH @ 60Hz						
CSB3.5B6	600	9	3.5	B, 1/6, S	3/4"	x 49	75
CSB5B6	600	9	5.0		12 x 10	12 x 10 x 59	78

CPVC or PVC CHAMBER² with SEAL-LESS MAGNETIC DRIVE POLYPROPYLENE PUMP

CSB5D6	1200	19	5.0	D, 1/2, S	1"	16 x 11 x 60	90
CSB5D7	2400	24	5.0	D, 3/4, S	1½" x 1"	16 x 11 x 60	100

CPVC or PVC CHAMBER² with SINGLE SEAL CPVC PUMP³

CSB5HC103	900	12	5.0	HC, 1/3, S	1"	x 60	85
CSB5HC208	1560	20	5.0	HC, 3/4, S	16 x 11	16 x 11 x 60	95

CPVC or PVC CHAMBER² with MECHANICAL SEAL SELF-PRIMING NORYL PUMP

CSB5GA05	2000	19	5.0	G, 1/2, S	2" x 1"	x 60	98
CSB5GB08	2400	20	5.0	G, 3/4, S	16 x 11	16 x 11 x 60	108

IMPORTANT:

- Filter media is ordered separately. Refer to Bulletin C-301 for bag media.
- Listed system includes CPVC chamber: To order system with PVC chamber - Change **C** to **P** in System No.
- To order pump with double mechanical seal - Change **HC** to **HCD** in System No.

OPTIONAL

DESCRIPTION	PRICE CODE NO.
MOTOR STARTERS - NEMA 4X Watertight push button	
115 - 230V/1/50-60	O-MS1P
230 - 460V/3/50-60	O-MS3P
Add -S to Motor Starter PCN when ordering motor starter for use with DRI-STOP® Pump Protector. i. e. O-MS1P-S Important: Specify operating voltage.	
DRI-STOP® PUMP PROTECTOR	
DRI-STOP 2R for use with double mechanical seal pumps.	O-2DS2R
DRI-STOP 3 for use with magnetic drive or single mechanical seal pumps.	O-DS3C
VITON ELASTOMERS	
Series 'L' chambers	O-LV
Series 'S' chambers	O-SV
MECHANICAL SEALS for HC & HK PUMPS	
M1 EPDM / ceramic	O-M1
M2 Viton / ceramic	Standard
PRIMING CHAMBER	
Pump Series B, HC & D ½H.P. - Polypropylene	O-PC4
Pump Series HK & D ¾H.P. - Noryl / PVC	O-PC6

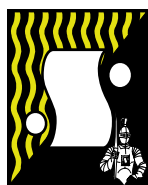
DESCRIPTION	PRICE CODE NO.	
	CPVC	PP
CARBON PURIFICATION CHAMBER with flow control valve, hose & drain Order carbon media from Bulletin M-305		
Includes ABS mini-canister / CPVC chamber for 2.1 lbs. granular carbon 20" canister 3.2 lbs. granular carbon 30" canister	O-C2CM	-
	O-C3CM	-
Includes PVC canister / CPVC chamber for 7.5 lbs. granular carbon 5" x 28" canister (PVC canister / PVC chamber- O-1528)	O-1528C	-
Includes CPVC or polypropylene chamber for 1.2 lbs 20" carbon cartridge 1.8 lbs 30" carbon cartridge 3.0 lbs 5" x 28" Maxi-carb cartridge	O-C2CC	O-P2CC
	O-C3CC	O-P3CC
	O-1528M	O-PP1528M
OPERATING VOLTAGE		
1 horsepower & above - Single phase	O-1PH	
Under 1 horsepower - Three phase	O-3PH	
50 Hz OPERATION		
Single phase @ 50 Hz	O-150H	
Three phase @ 50 Hz	O-350H	

Registered trademarks:
Kynar - Atochem; Corzan - B. F. Goodrich Co.; Noryl - General Electric;
Viton - DuPont Dow Elastomers; Ryton - Phillips Chemical

F.O.B. Northbrook, Illinois

Specifications subject to change without notice.

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