



Utilizing a cluster of reusable cartridge elements, SwimClear filters offer a choice of 225, 325, 425, 525 or 700 square feet of heavy-duty dirt-holding capacity for extra-long filter cycles, up to an entire season without cleaning. SwimClear filters will provide years of trouble-free operation and crystal clear, sparkling water.

### Applications

- In-ground pools
- In-ground pool/spa combinations
- In-ground spas (residential or commercial)

### Features

- High capacity, rapid release manual air relief valve bleeds air with a quick quarter turn of the lever.
- Filter tanks made from durable glass reinforced co-polymer to meet the demands of the toughest applications and environmental conditions, including in-floor cleaning systems.
- Self-aligned tank top and bottom make access to serving the Quad-Cluster™ cartridge elements fast and simple
- Heavy-duty, tamper-proof, one-piece clamp securely fastens tank top and bottom. Allows quick access to all internal components without disturbing piping or connections
- Top manifold configuration provides excellent filtration and hydraulic performance
- Non-corrosive top closure plate prevents elements from lifting and allowing unfiltered water to by-pass into pool or spa during operation
- Quad-Cluster of high-quality polyester cartridge elements provide 225, 325, 425, 525 or 700 square feet of filter area for extra dirt-holding capacity and long filter cycles
- 2" full-flow internal piping and plumbing for less resistance to flow and maximum performance.
- PVC union coupling connection accepts 2" or 2 1/2" piping for plumbing versatility and hydraulic efficiency.
- Full size 1 1/2" integral drain allows for fast, 100% clean-out and easier flushing of tank



C3030 SwimClear Filter



C5030 SwimClear Filter

Filters

## SwimClear Cartridge Filter Buying Guide

Model Number	Effective Filtration Area	2 1/2" SKT x 2 1/2" SLIP Couplings	Dimensions		Ctn. Qty.	Ctn. Weight
			Width	Height		
C2030	225 ft. <sup>2</sup>	•	24"	32 1/2"	1	50 lbs.
C3030	325 ft. <sup>2</sup>	•	24"	34 1/2"	1	60 lbs.
C4030	425 ft. <sup>2</sup>	•	24"	40 1/2"	1	69 lbs.
C5030	525 ft. <sup>2</sup>	•	24"	46 1/2"	1	79 lbs.
C7030	700 ft. <sup>2</sup>	•	24"	52 1/2"	1	85 lbs.

Clip Art

### Performance Data – Public and APSP-15

Model Number	Effective Filtration Area	Public Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C2030	225 ft. <sup>2</sup>	84 GPM	40,320	50,400
C3030	325 ft. <sup>2</sup>	122 GPM	58,560	73,200
C4030	425 ft. <sup>2</sup>	150 GPM	72,000	90,000
C5030	525 ft. <sup>2</sup>	150 GPM	72,000	90,000
C7030	700 ft. <sup>2</sup>	150 GPM	72,000	90,000

Public and APSP-15 Design Flow Rate based on .375 GPM/ft.<sup>2</sup>

\*Determined by pump size and piping system hydraulics. 2" piping is recommended for flow rates above 90 GPM. Refer to "Friction Loss" in Hydraulics section, pages 22–25.



C3030



C5030



SwimClear Cartridge Filters

Hayward's newest addition to the SwimClear family is simply the most efficient single element cartridge filter ever produced. It captures more dirt for superior water clarity while the industry's lowest head loss can increase energy savings. SwimClear is the easiest to service: the Easy-Lok™ ring design, comfort grip handles, and lowest lift height provide fast element cleaning and replacement. For energy savings, reliable performance, and the ultimate in service ease, the choice is crystal clear: SwimClear.

### Applications

- In-ground pools
- In-ground pool/spa combinations

### Features

- Captures more dirt for superior water clarity without the need of any supplemental media
- Industry-leading hydraulic efficiency allows the pump to run at a lower speed or less time, which increases energy savings
- Easy-Lok ring design allows quick access to internal components for quick and simple maintenance
- Ergonomic grip handles provide multiple handling locations without touching fiberglass for easy installation and maintenance
- Lowest body height to lift elements for convenient and quick cleaning and replacement
- Recessed pressure gauge and manual air relief enables user to place head assembly upside down on pool pad, protecting the seal from contamination
- 2" x 2 1/2" union connections makes installation and servicing fast and easy

## SwimClear Cartridge Filter Buying Guide

Model Number	Effective Filtration Area	Union Connections	Dimensions		Ctn. Qty.	Ctn. Weight
			Width*	Height		
C100S	100 ft. <sup>2</sup>	2" x 2 1/2"	18 1/4"	30 1/2"	1	33 lbs.
C150S	150 ft. <sup>2</sup>	2" x 2 1/2"	18 1/4"	33 3/4"	1	37 lbs.
C200S	200 ft. <sup>2</sup>	2" x 2 1/2"	18 1/4"	38 3/4"	1	40 lbs.

**NOTE:** \*Based on lock ring — width at base is 13".

### Performance Data – Residential

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C100S	100 ft. <sup>2</sup>	100 GPM	48,000	60,000
C150S	150 ft. <sup>2</sup>	120 GPM	57,600	72,000
C200S	200 ft. <sup>2</sup>	120 GPM	57,600	72,000

Residential Design Flow Rate based on 1 GPM/ft.<sup>2</sup>

### Performance Data – Public and APSP-15

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C100S	100 ft. <sup>2</sup>	38 GPM	18,240	22,800
C150S	150 ft. <sup>2</sup>	56 GPM	26,880	33,600
C200S	200 ft. <sup>2</sup>	75 GPM	36,000	45,000

Public and APSP-15 Design Flow Rate based on .375 GPM/ft.<sup>2</sup>

Hayward's StarClear Plus filters offer quality, value and convenience in cartridge filtration. Because of their durable construction, they can handle the most demanding applications and environmental conditions. The precision engineered core provides extra strength and maximum flow. StarClear Plus filters deliver proven performance and value.

### Applications

- In-ground pools
- In-ground pool/spa combinations

### Features

- Filter tanks made from durable glass reinforced co-polymer material to meet the demands of the toughest applications and environmental conditions, including in-floor cleaning systems
- Single piece injection-molded base and body provides added strength for reliable, corrosion-free performance
- Single locking knob securely fastens head to filter tank, eliminating bolts or clamps
- Extra-large cartridge element with precision engineered core provides extra-strength and maximum flow
- Elevated, filtered water collector and debris sump prevents accidental by-pass of heavy debris to pool when cartridge is removed for cleaning
- 1 1/2" or 2" FIP connections for plumbing versatility
- 1/2" FIP filter drain for fast draining. Also accepts standard spigot valve

### Performance Data – Residential

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
C751	75 ft. <sup>2</sup>	75 GPM	36,000	45,000
C900	90 ft. <sup>2</sup>	90 GPM	43,200	54,000
C1200	120 ft. <sup>2</sup>	120 GPM	57,600	72,000
C17502	175 ft. <sup>2</sup>	120 GPM	57,600	72,000

Residential Design Flow Rate based on 1 GPM/ft.<sup>2</sup>

### Performance Data – Public and APSP-15

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
C751	75 ft. <sup>2</sup>	28 GPM	13,500	16,875
C900	90 ft. <sup>2</sup>	34 GPM	16,200	20,250
C1200	120 ft. <sup>2</sup>	45 GPM	21,600	27,000
C17502	175 ft. <sup>2</sup>	66 GPM	31,680	39,600

Public and APSP-15 Design Flow Rate based on .375 GPM/ft.<sup>2</sup>

\*Determined by pump size and piping system hydraulics. 2" piping is recommended for flow rates above 90 GPM. Refer to "Friction Loss" in Hydraulics section, pages 22–25.



C900 StarClear Plus Filter

## StarClear Plus Cartridge Filter Buying Guide

Model Number	Effective Filtration Area	Pipe Size	Dimensions		Ctn. Qty.	Ctn. Weight
			Width	Height		
C751	75 ft. <sup>2</sup>	1 1/2" FIP	13 3/8"	30"	1	26 lbs.
C7512	75 ft. <sup>2</sup>	2" FIP	13 3/8"	30"	1	26 lbs.
C900	90 ft. <sup>2</sup>	1 1/2" FIP	13 3/8"	30"	1	26 lbs.
C9002	90 ft. <sup>2</sup>	2" FIP	13 3/8"	30"	1	26 lbs.
C1200	120 ft. <sup>2</sup>	1 1/2" FIP	13 3/8"	36"	1	29 lbs.
C12002	120 ft. <sup>2</sup>	2" FIP	13 3/8"	36"	1	29 lbs.
C17502	175 ft. <sup>2</sup>	2" FIP	13 3/8"	42"	1	32 lbs.

### Replacement Elements – Page 35



C250 StarClear Filter

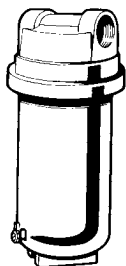


C500 StarClear Filter

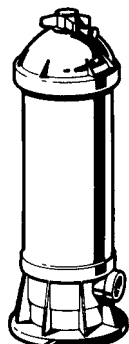
## StarClear Cartridge Filter Buying Guide

Model Number	Effective Filtration Area	Pipe Size	Dimensions		Ctn. Qty.	Ctn. Weight
			Width	Height		
<b>StarClear</b>						
C250	25 ft. <sup>2</sup>	1 1/2" FIP	10 1/2"	19 1/2"	1	13 lbs.
C500	50 ft. <sup>2</sup>	1 1/2" x FIP	10 1/2"	29 1/2"	1	17 lbs.
<b>Micro StarClear™ Cartridge Filters</b>						
Cartridge filters for in-line piping, including spas, hot tubs and above-ground pools.						
C225	25 ft. <sup>2</sup>	1 1/2" FIP	7 1/4"	17 7/8"	1	7 lbs.

✂ Clip Art



C225



C500

Hayward StarClear cartridge filters provide crystal clear water and have extra cleaning capacity to accommodate pools and spas of all types and sizes. For replacement or new pool installations, StarClear sets the standard of excellence and value.

### Applications

- In-ground pools
- In-ground pool/spa combinations
- In-ground, in-deck or moveable spas
- Hot tubs
- Above-ground pools

### Features

- Single locking knob securely fastens head to filter tank, eliminating bolts or clamps
- Attractive, durable filter head may be rotated to conveniently position pressure gauge and manual air relief
- Injection-molded filter tank for dependable, corrosion-free performance
- Extra-large cartridge element with precision engineered core provides extra-strength and maximum flow.
- Elevated, filtered water collector and debris sump prevents accidental by-pass of heavy debris to pool or spa when cartridge is removed for cleaning
- 1 1/2" or 2" FIP, or 2" SKT connections for plumbing versatility
- 1/2" FIP filter drain for fast draining of elevated spas and tubs. Also accepts standard spigot valve

### Performance Data – Residential

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C250	25 ft. <sup>2</sup>	25 GPM	12,000	15,000
C500	50 ft. <sup>2</sup>	50 GPM	24,000	30,000

### Performance Data – Public

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C250	25 ft. <sup>2</sup>	9 GPM	4,500	5,625
C500	50 ft. <sup>2</sup>	18 GPM	9,000	11,250

Public Design Flow Rate based on .375 GPM/ft.<sup>2</sup>

\*Determined by pump size and piping system hydraulics.

2" piping is recommended for flow rates above 90 GPM.

Refer to "Friction Loss" in Hydraulics section, pages 22–25.

### Replacement Elements – Page 35

# XStream® Filtration Series

ABOVE-GROUND FULL-FLO CARTRIDGE FILTER SYSTEMS

**XStream size for an XStream clean.** Once you see the XStream filtration from Hayward, you'll be hooked. Its massive size and incredible performance mean years of trouble-free filtration. It has an extra large capacity for dirt and debris and a quick-release, high-capacity air relief valve.

## Applications

- Above-ground pools/on-ground pools

## Features

- Designed specifically for the rigors of above-ground filtration
- Longer, more efficient filtering life
- Larger filter body ensures an equal distribution of dirt and debris throughout the filtering element
- Engineered for easy use with flexible or rigid plumbing
- Quick release, high capacity air relief valve
- Durable filter tank will provide years of trouble-free operation
- Easy-Lok™ ring design allows quick access to all internal components in a single turn
- Unique safety catch prevents over-tightening of the lid and efficiently secures the filter for high performance operation

## Optional Microprocessor Pump Timer Features

- Audible beep
- Preset filtration settings
- Manual override
- Retro fits to any Flex48 frame motor



## Performance Data

Filter	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
CC1000	100 ft. <sup>2</sup>	80 GPM	38,400	57,600
CC1500	150 ft. <sup>2</sup>	120 GPM	57,600	86,400

## Replacement Elements – Page 35



CC10092S XStream Filtration Series



CC15093S XStream Filtration Series


Filters

## XStream Filtration Full-Flo Filter Cartridge System Buying Guide

Model Number	Filter	Dimensions Width Height	Pump	H.P.	System Components	Ctn. Qty.	Ctn. Weight
CC10080S	CC1000	21" 30 1/2"	PowerFlo LX™	1	2,3	1	66 lbs.
CC10092S	CC1000	21" 30 1/2"	PowerFlo Matrix®	1	2,3	1	67 lbs.
CC100922S	CC1000	21" 30 1/2"	PowerFlo Matrix	1hp-2spd	2,3,4	1	67 lbs.
CC10092STL	CC1000	21" 30 1/2"	PowerFlo Matrix	1	1,2,3	1	67 lbs.
CC15080X5S	CC1500	21" 37 1/4"	PowerFlo LX	1 1/2	2,3	1	74 lbs.
CC15093S	CC1500	21" 37 1/4"	PowerFlo Matrix	1 1/2	2,3	1	75 lbs.
CC150932S	CC1500	21" 37 1/4"	PowerFlo Matrix	1 1/2hp-2spd	2,3,4	1	75 lbs.
CC15093STL	CC1500	21" 37 1/4"	PowerFlo Matrix	1 1/2	1,2,3	1	75 lbs.

**NOTE:** "TL" pump includes 3' twisting lock cord. 

### System Components

1. 3' twist lock cord 
2. 1 1/2" hose packages include: two (2) 1 1/2" x 6' lengths of hose, hose adapters, hose clamps
3. Union connection
4. 2-speed pump

### Optional Accessories

Model Number	Description	Ctn. Qty.	Ctn. Weight
SP1500UNPAK2	Set of two (2) quick connect unions	50	32 lbs.
SP1500FT	Microprocessor Pump Timer	10	5 lbs.

# EasyClear™ & Micro StarClear™

ABOVE GROUND FULL-FLO CARTRIDGE FILTER SYSTEMS

Filters



C4001575XES EasyClear System



C2251540LSS Micro StarClear System

EasyClear full-flo element filters are designed specifically for above-ground pools of all sizes and will provide years of trouble-free operation. Performance-matched with the PowerFlo LX™ pump series, they will turnover at least 24,000 gallons in an eight hour period, easily handling a 24' round above-ground pool. EasyClear filters are mounted on a rugged filter base and use a special reinforced polyester cartridge engineered to provide superior water clarity with minimal care.

### Applications

- Above-ground pools

### Features

- Easy-Lok™ lid access design provides simple entry to service the cartridge element
- Built-in check valve prevents accidental loss of pool water when cartridge is being removed for cleaning
- Unique safety-catch prevents overtightening of the cover and unwanted entry into the filter
- Cartridge element is uniquely designed of high quality reinforced polyester and a molded center core for easy cleaning, high flows and long life.
- Union connection allows pump or filter to be removed quickly and easily for servicing systems

## EasyClear and Micro StarClear Filter System Buying Guide

Model Number	Filter	Dimensions		Pump	H.P.	System Components	Ctn. Qty.	Ctn. Weight
		Width	Height					
<b>Micro StarClear</b>								
C2251540LSS	C225	7 1/4"	17 7/8"	PowerFlo	40 GPM	2,3	1	25 lbs.
<b>EasyClear</b>								
C4001575XES	C400	8 3/8"	24 1/2"	PowerFlo LX	1	1,2,3	1	46 lbs.
C5501575XES	C550	8 3/8"	30"	PowerFlo LX	1	1,2,3	1	46 lbs.

### System Components

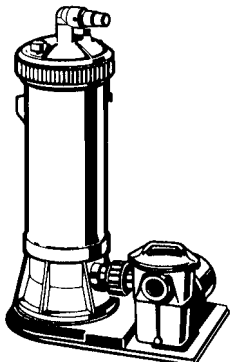
1. EC1161PAK modular platform base
2. 1 1/2" hose packages include: two (2) 1 1/2" x 6' lengths of hose, hose adapters and hose clamps
3. Union connection

### Performance Data

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C2251540LSS	25 ft. <sup>2</sup>	20 GPM	15,000	18,750
C4001575XES	40 ft. <sup>2</sup>	50 GPM	24,000	30,000
C5501575XES	55 ft. <sup>2</sup>	69 GPM	33,120	41,400

### Replacement Elements – Page 35

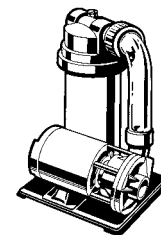
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C5501575XES



C4001575XES



C2251540LSS

# Genuine Replacement Cartridges

Hayward replacement cartridges are manufactured with premium materials designed to meet NSF's high quality performance and durability standards. All Hayward cartridges provide maximum hydraulic efficiency, exceptional first pass debris removal, extended filtration cycles, reduced cleaning time and multi-season durability.

By offering two media weights, customers now have the opportunity to choose their desired level of filtration performance and cartridge life. Clearly, Hayward Genuine Replacement Cartridges are the only replacement cartridges that will maintain the original filter fit and performance in addition to providing the best overall value.

## Features

- Premium 4 oz. cartridges include NSF certification when used in Hayward filters providing original filtration quality and durability
- Hayward Blue Value 3 oz replacement cartridges provide original Hayward fit and performance at an economical price
- Precision engineered molded and extruded cores provide maximum hydraulic efficiency and overall structural stability
- Available in economical 4 pack configurations to accommodate multi-cartridge filters
- Individually packaged with Hayward name and part number molded into uniquely colored end caps for easy identification as a Hayward Genuine Part
- Compatible with all pool sanitizers



Genuine Replacement Cartridges

## Cartridge Elements Buying Guide

Premium 4 oz Material	Blue Value 3 oz Material	Hayward Replacement Cartridge Description	Ctn. Qty.
<b>StarClear &amp; StarClear™ Plus Replacement Cartridges</b>			
CX1000RE	CX1000REBVS	Replacement Cartridge – 100 sq ft	1
CX1100RE	CX1100REBVS	Replacement Cartridge – C1100-	1
CX1200RE	CX1200REBVS	Replacement Cartridge – C1200-	1
CX1250RE	CX1250REBVS	Replacement Cartridge – C1250-	1
CX1520RE	CX1520REBVS	Replacement Cartridge – C1502-	1
CX1750RE	CX1750REBVS	Replacement Cartridge – C1750-	1
CX1900RE	CX1900REBVS	Replacement Cartridge – C1900-	1
CX2020RE	CX2020REBVS	Replacement Cartridge – C2002-	1
CX225RE	CX225REBVS	Replacement Cartridge – C225-	1
CX250RE	CX250REBVS	Replacement Cartridge – C250-	1
CX410RE	CX410REBVS	Replacement Cartridge – C400-	1
CX500RE	CX500REBVS	Replacement Cartridge – C500-	1
CX550RE	CX550REBVS	Replacement Cartridge – C550-	1
CX750RE	CX750REBVS	Replacement Cartridge – C750-	1
CX760RE	CX760REBVS	Replacement Cartridge – C751-	1
CX800RE	CX800REBVS	Replacement Cartridge – C800-	1
CX850RE	CX850REBVS	Replacement Cartridge – C850-	1
CX900RE	CX900REBVS	Replacement Cartridge – C900-	1
<b>SwimClear™ Replacement Cartridges</b>			
CX100XRE	CX100XREBVS	Replacement Cartridge C100S	1
CX150XRE	CX150XREBVS	Replacement Cartridge C150S	1
CX200XRE	CX200XREBVS	Replacement Cartridge C200S	1
CX1280XRE	CX1280XREBVS	Replacement Cartridge C5000/C5020/C5025/C5030	1
CX1280XREPAK4	CX1280XREBVS4	Replacement Cartridges 525 sq ft SwimClear (4 pack)	1
CX1380XRE	CX1380XREBVS	Replacement Cartridge C5520-	1
CX1380XREPAK4	CX1380XREBVS4	Replacement Cartridges 550 sq ft SwimClear (4 pack)	1
CX480XRE	CX480XREBVS	Replacement Cartridge C2000/C2020/C2025/C2030	1
CX480XREPAK4	CX480XREBVS4	Replacement Cartridges 225 sq ft SwimClear (4 pack)	1
CX481XRE	CX481XREBVS	Replacement Cartridge C2030-	1
CX481XREPAK4	CX481XREBVS4	Replacement Cartridges C2030 – SwimClear (4 pack)	1
CX580XRE	CX580XREBVS	Replacement Cartridge C3000/C3020/C3025/C3030	1
CX580XREPAK4	CX580XREBVS4	Replacement Cartridges 325 sq ft SwimClear (4 pack)	1
CX590XRE	CX590XREBVS	Replacement Cartridge C7020-	1
CX590XREPAK4	CX590XREBVS4	Replacement Cartridges 700 sq ft SwimClear (4 pack)	1
CX591XRE	CX591XREBVS	Replacement Cartridge Element – C7030-	1
CX591XREPAK4	CX591XREBVS4	Replacement Cartridges C7030 – SwimClear (4 pack)	1
CX875XRE	CX875XREBVS	Replacement Cartridge C4520-	1
CX875XREPAK4	CX875XREBVS4	Replacement Cartridges 450 sq ft SwimClear (4 pack)	1
CX880XRE	CX880XREBVS	Replacement Cartridge C4000/C4020/C4025/C4030	1
CX880XREPAK4	CX880XREBVS4	Replacement Cartridges 425 sq ft SwimClear (4 pack)	1

# ProGrid™

## VERTICAL GRID D.E. FILTERS

Filters



DE7220 ProGrid Filter with SP0740DE Selecta-Flo™ 4-position Control Valve



DE3620 ProGrid Filter with 2-position Slide Valve

ProGrid vertical grid D.E. filters provide superior water clarity, efficient flow and large cleaning capacity for pools and spas of all types and sizes. ProGrid combines high-technology features and “service-ease” design for an unparalleled filtration value for both new pool and aftermarket installations.

### Applications

- In-ground pools
- In-ground spas or in-ground pool/spa combinations

### Features

- High capacity, rapid release manual air relief valve bleeds air with a quick quarter turn of the lever
- Filter tanks made from durable glass reinforced copolymer to meet the demands of the toughest applications and environmental conditions, including in-floor cleaning systems
- Self-aligned tank top and bottom make access to servicing the grid elements fast and simple
- Heavy-duty, tamper-proof, one piece flange clamp securely fastens tank top and bottom. Allows quick access to all internal components without disturbing piping or connections.
- High impact grid elements designed for up-flow filtration and top-down backwashing for maximum efficiency
- Integral lift handles and uniform low-profile base make removal of grid nest fast and simple
- Inlet diffuser elbow distributes flow of unfiltered water evenly to all filter elements and provides even distribution of D.E. to grids
- Convenient valve and plumbing options allow for customized control
- 2" full-flow internal piping and plumbing for less resistance to flow and maximum performance
- 72 ft.<sup>2</sup> filter allows for both commercial and large residential applications and years of non-corrosive, trouble-free performance

## ProGrid D.E. Filter Buying Guide

Model Number	Effective Filtration Area	D.E. Required	Dimensions		Ctn. Qty.	Ctn. Weight
			Width*	Height		
DE2420	24 ft. <sup>2</sup>	3 lbs.	24"	32 ½"	1	56 lbs.
DE3620	36 ft. <sup>2</sup>	4 ½ lbs.	24"	34 ½"	1	65 lbs.
DE4820	48 ft. <sup>2</sup>	6 lbs.	24"	40 ½"	1	74 lbs.
DE6020	60 ft. <sup>2</sup>	7 ½ lbs.	24"	46 ½"	1	84 lbs.
DE7220	72 ft. <sup>2</sup>	9 lbs.	24"	52 ½"	1	94 lbs.

**NOTES:** All filters include pressure gauge, air relief valve and 1 ½" drain plug.

\*Above dimensions are for filter only. Add 12" for 1 ½" and 14" for 2" multiport valves. Add 7" for 2" slide valve.

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
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### Valve and Coupling Selections

SP0740DE	Selecta-Flo	2" SKT	4	1	9 lbs.
SP0710XR50	VariFlo	1 ½" FIP	6	1	6 lbs.
SP0715XR50	VariFlo	2" FIP	6	1	9 lbs.
SP0410X502S	Slide Valve	2" SKT	2	1	4 lbs.
DE2400PAK2CS	Coupling	1 ½" SKT x 2" SLIP	—	10	10 lbs.

### Performance Data – Filter

Model Number	Effective Filtration Area	Public Design Flow Rate*	Turnover (In Gallons)		Residential Design Flow Rate**	Turnover (In Gallons)	
			8 Hours	10 Hours		8 Hours	10 Hours
DE2420	24 ft. <sup>2</sup>	48 GPM	23,040	28,800	60 GPM	28,800	36,000
DE3620	36 ft. <sup>2</sup>	72 GPM	34,560	43,200	90 GPM	43,200	54,000
DE4820	48 ft. <sup>2</sup>	96 GPM	46,080	57,600	120 GPM	57,600	72,000
DE6020	60 ft. <sup>2</sup>	120 GPM	57,600	72,000	150 GPM	72,000	90,000
DE7220	72 ft. <sup>2</sup>	144 GPM	69,120	86,400	150 GPM	72,000	90,000

**NOTES:** \*Based on 2 GPM/ft.<sup>2</sup> (maximum allowable NSF rating).

\*\*Based on 2.5 GPM/ft.<sup>2</sup> (maximum allowable NSF rating).

### Performance Data – Valve Positions

Model Number	Filter	Back-wash	Waste	Recirculate	Rinse	Closed
SP0740DE	•	•	•	•	—	—
SP0710XR50	•	•	•	•	•	•
SP0715XR50	•	•	•	•	•	•
SP0410X502S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—



Designed for vertical grid D.E. filters with up to 80 square feet of filtration area, Hayward D.E. separation tanks are ideal for water conservation and savings during backwashing by returning chemically treated backwash water to the pool. Hayward D.E. separation tanks hold up to 10 lbs. of used D.E. filter powder and compliment both new and existing vertical grid D.E. filter installations.

### Features

- For vertical grid D.E. filters with up to 80 ft.<sup>2</sup> of filtration area
- Rugged, reusable polypropylene containment bag holds up to 10 lbs. of used D.E. filter powder
- Comes complete with 2" FIP or 2" SKT connections for full-flow performance
- Single locking knob for easy access

### ProGrid D.E. Filter Accessory Buying Guide

Model Number	Pipe Size	Max. D.E. Holding Capacity	Ctn. Qty.	Ctn. Weight
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#### D.E. Separation Tank

C9002SEP	2" FIP/2" SKT	10 lbs.	1	22 lbs.
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**NOTE:** Comes complete with 2" FIP or 2" SKT connections for full-flow performance

Model Number	Description	Ctn. Qty.	Ctn. Weight
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#### Modular System Base Pak

S200PAK3	Molded platform base for pump and filter. Complete with rigid, sweep union and hardware. Pre-drilled for Super® and Super II™ Pumps. Use 1 1/2" VariFlo® Valve.	1	11 lbs.
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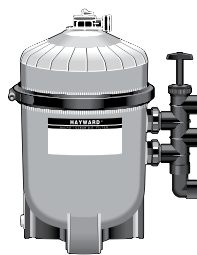


C9002SEP Separation Tank with 2" FIP connections

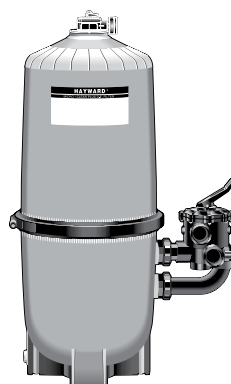
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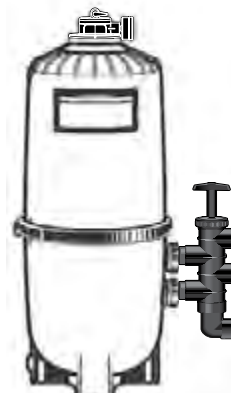
C9002SEP



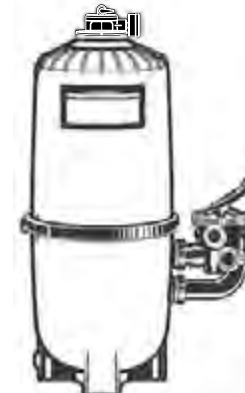
DE3620 with Slide Valve



DE7220 with SP0740DE



DE7220 with Slide Valve



DE7220 with SP0740DE



EC75A Basic Perflex Filter



Perflex System

### Perflex Extended-Cycle D.E. Filter Buying Guide

Model Number	1 1/2"	1 1/2"	Check Valve	D.E. Required	Dimensions		Ctn. Qty.	Ctn. Weight
	Drain Valve	Pressure Gauge/ Inspection Port			Width	Height		
EC65A	•	•	•	6 lbs.	21"	31"	1	44 lbs.
EC75A	•	•	•	7 lbs.	21"	31"	1	45 lbs.

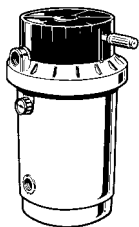
Model Number	Description	Ctn. Qty.	Ctn. Weight
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#### Modular System Base Pak

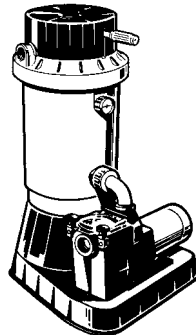
EC65BLP	System III Base Pak for EC65/EC75 (less pump) – for Super® or Super II™ Pumps	1	15 lbs.
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**NOTE:** Order Super or Super II Pump, EC65A or EC75A basic filter and EC65BLP for a 3 component system.

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EC65A, EC75A



EC652605X7 System III

Perflex Extended-Cycle D.E. filters clean pools fast, removing particles as small as one micron the first time through. Its patented Flex-Tube™ design gives longer cycles between cleaning because the same D.E. filter powder is used over and over. Plus, Perflex cleans without backwashing, saving hundreds of gallons of treated pool water. An exceptional value as a replacement filter or for new pool installations. For sparkling, clean pools, step up to Perflex.

#### Applications

- In-ground pools of all types and sizes

#### Features

- Exclusive bump handle activates the mechanism causing the Flex-Tubes to instantly and uniformly clean themselves of dirt and filter powder
- Self-venting design automatically expels any air that may be present in the system
- Proven, patented Flex-Tube filter elements efficiently reuse the filter powder and dirt mixture forming a fresh filtering surface
- Combination pressure gauge and threaded inspection/service port is easy to read and remove when filter needs cleaning
- Heavy-duty filter tank injection-molded of high-strength thermoplastic for dependable, corrosion-free performance
- Integral check valve prevents system backflow whenever pump is off

#### Performance Data

Model Number	Effective Filtration Area	Public Design Flow Rate*	Residential Design Flow Rate**	Turnover (In Gallons)	
				8 Hours	10 Hours
EC65A	27 ft. <sup>2</sup>	54 GPM		25,920	40,200
EC75A	40 ft. <sup>2</sup>	80 GPM		38,400	48,000
EC65A			67 GPM	32,200	90,250
EC75A			100 GPM	48,000	60,000

**NOTES:** \*Based on 2 GPM/ft.<sup>2</sup> (maximum allowable NSF rating).

\*\*Based on 2.5 GPM/ft.<sup>2</sup> (maximum allowable NSF rating).

Perflex Extended-Cycle D.E. filters provide crystal clear, sparkling water at an economical price. Proven over many years, Perflex has set the standard in swimming pool filtration by incorporating the patented Flex-Tube™ design in combination with D.E., the most effective filter media available. The result is superior water clarity, extended filter cleaning cycles — and no backwashing required.

### Applications

- Above-ground/on-ground pools
- Small in-ground pools

### Features

- Easy access clamp assembly
- Cleans pools fast — removes even the smallest particles the first time through
- Uses D.E. (diatomaceous earth), the most effective filter media available
- Patented Flex-Tube system efficiently reuses D.E. powder and dirt mixture to form fresh cleaning surfaces
- Exclusive bump handle activates the Flex-Tubes, causing them to instantly purge themselves of dirt and powder
- Uniquely designed to expel any air that may be present in the system through the filtered water returning to the pool
- Combination diffuser and lower mixing chamber specifically designed to produce a uniformed coating of D.E. on the Flex-Tubes



EC40AC Perflex Filter



EC50AC Perflex Filter

Filters

### Perflex Extended-Cycle D.E. Filter Buying Guide

Model Number	Pressure Gauge	Deluxe 1 1/2" Drain Valve	Built-In Check Valve	Service/ Inspection Port	D.E. Required	Dimensions Width	Dimensions Height	Ctn. Qty.	Ctn. Weight
EC40AC	•	•	•	—	4 lbs.	16"	26 1/2"	1	26 lbs.
EC50AC	•	•	•	•	5 lbs.	13 1/2"	31 3/8"	1	30 lbs.

**NOTE:** EC40A Replacement Filter: EC40AC. EC50A Replacement Filter: EC50AC.

Model Number	Description	Ctn. Qty.	Ctn. Weight
EC1161LK	Elevated mounting base with sweep union, adjustable connecting loop, elbow adapter and hardware	1	5 lbs.
EC1161PAK	Modular platform base is pre-drilled for the PowerFlo Series Pump	1	4 lbs.

### Performance Data

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
EC40AC	20 ft. <sup>2</sup>	40 GPM	19,200	24,000
EC50AC	25 ft. <sup>2</sup>	50 GPM	24,000	30,000

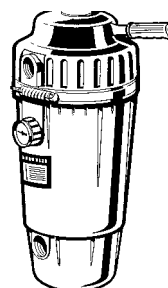
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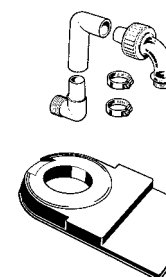
EC40AC



EC50AC



EC1161LK





EC40C92S Perflex System



EC50C93S Perflex System

### Perflex Extended-Cycle D.E. Filter System Buying Guide

Model Number	Filter <sup>a</sup>	Pump <sup>b</sup>	H.P.	System Components	Ctn. Qty.	Ctn. Weight
<b>EC30 Series</b>						
EC301540ESNV	EC30	PowerFlo	40 GPM	3	1	50 lbs.
<b>EC40 Series</b>						
EC40C80S	EC40AC	PowerFlo LX™	1	2,3	1	56 lbs.
EC40C92S	EC40AC	PowerFlo Matrix®	1	2,3	1	56 lbs.
EC40C92STL	EC40AC	PowerFlo Matrix	1	1,2,3	1	56 lbs.
<b>EC50 Series</b>						
EC50C92S	EC50AC	PowerFlo Matrix	1	2,3	1	64 lbs.
EC50C92STL	EC50AC	PowerFlo Matrix	1	1,2,3	1	64 lbs.
EC50C80X5S	EC50AC	PowerFlo LX	1 1/2	2,3	1	66 lbs.
EC50C93S	EC50AC	PowerFlo Matrix	1 1/2	2,3	1	66 lbs.
EC50C93STL	EC50AC	PowerFlo Matrix	1 1/2	1,2,3	1	66 lbs.

**NOTES:** a. All filters include SP1022C 1 1/2" drain plug.  
 b. All pumps have 6' power cord, except system designated with "TL", which incorporates a 3 ft. twist lock cord.

#### System Components

- 3' twist lock cord
- SP0723 deluxe drain valve
- 1 1/2" hose packages include: two (2) 1 1/2" x 6' lengths of hose, hose adapters and hose clamps

#### Optional Accessories

Model Number	Description	Ctn. Qty.	Ctn. Weight
SP1500UNPAK2	Set of two (2) quick connect unions	50	32 lbs.
SP1500FT	Microprocessor Pump Timer	10	5 lbs.

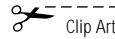
Perflex filters are performance matched with our above-ground pump series to ensure a system that maximizes its filtration ability. These advanced filtration systems are designed to operate with less resistance than conventional units, thus producing more filtered water with less pump horsepower. Quality, value, dependability and sparkling clear pool water are the Perflex system trademarks.

#### System Features

- Pump-to-filter union connection provides simple installation and winterization
- Modular platform base accepts optional chlorine feeder

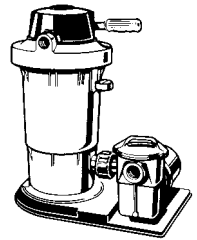
#### Optional Microprocessor Pump Timer Features

- Audible beep
- Preset filtration settings
- Manual override
- Retro fits to any Flex48 frame motor



#### EC301540ESNV includes:

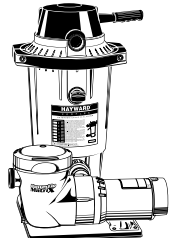
- EC30 Filter
- SP1540, 40 GPM PowerFlo Pump
- Modular Platform Base
- Union Connection
- 1 1/2" Hose Package



EC301540ESNV

#### EC40C92S includes:

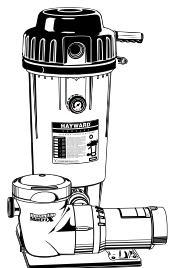
- EC40AC Filter with Clamp
- SP1592, 1 H.P. PowerFlo Matrix Pump
- Modular Platform Base
- Union Connection
- 1 1/2" Hose Package



EC40C92S

#### EC5093S includes:

- EC50AC Filter with Clamp
- SP1593, 1 1/2 H.P. PowerFlo Matrix Pump
- Modular Platform Base
- Union Connection
- 1 1/2" Hose Package



EC5093S

Incorporating the many advanced features of Hayward's ProSeries top-mount and side mount sand filters, the ProSeries Plus satisfies the requirements of the most demanding installations, including pools installed with in-floor cleaning systems, spas, fountains or solar heating systems. Its spherical tank design evenly distributes the high pressure and stress associated with these applications, resulting in greater strength and longer life.

### Applications

- Suitable for residential and semi-commercial applications
- In-ground pools installed with in-floor cleaning systems, solar heating systems, water features
- In-ground spas or in-ground pool/spa combinations

### Features

- Durable, flanged inspection cover provides convenient access to top of side mount filters
- Flange clamp design allows 360° rotation of valve to simplify plumbing
- Top diffuser ensures even distribution of water over the top of the sand media bed. All internal piping is 2" to give smooth, free-flowing performance
- Large pressure sand/water drain for rapid winterizing or servicing
- Unitized, corrosion-proof, spherical filter tank molded of rugged, colorfast polymeric material for maximum strength and longer life
- Optional valve and coupling selections for plumbing ease and versatility. Choose from 6-position VariFlo® valve, 2-position slide valve or 1 1/2" SKT x 2" SLIP connectors for multiple (tandem) filter installations
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability

### Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
S311SXV	4.95 ft. <sup>2</sup>	99 GPM	47,520	59,400
S360SX	6.50 ft. <sup>2</sup>	130 GPM	62,400	78,000
S360T2	6.50 ft. <sup>2</sup>	130 GPM	62,400	78,000

\*Based on 20 GPM/ft.<sup>2</sup> (maximum allowable NSF rating).

### Performance Data – Valve Positions

Model Number	Filter	Back-wash	Waste	Recirculate	Rinse	Closed
SP0710X62	•	•	•	•	•	•
SP0715X62	•	•	•	•	•	•
SP071621	•	•	•	•	•	•
SP0410X602S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—



S311SXV ProSeries Plus 31" Filter with 2" slide valve



S360SX ProSeries Plus 36" Filter with 2" slide valve

## ProSeries Plus Sand Filter Buying Guide

Model Number	Valve	Sand Capacity	Dimensions		Ctn. Qty.	Ctn. Weight
			Width**	Height		
S311SX	Not Included*	350 lbs.	31"	38 5/8"	1	74 lbs.
S311SXV	Slide Valve	350 lbs.	31"	38 5/8"	1	78 lbs.
S360SX	Not Included*	700 lbs.	36"	46"	1	95 lbs.
S360T2	2" VariFlo	700 lbs.	36"	53"	1	134 lbs.

**NOTES:** \*Order valve separately – See "Valve and Coupling Selections" Buying Guide below.

\*\*Above dimensions are for filter only. Add 12" for 1 1/2" and 14" for 2" side mount multiport valves. Add 7" for 2" slide valve.

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
<b>Valve and Coupling Selections</b>					
SP0710X62	VariFlo Side Mount	1 1/2" FIP	6	1	6 lbs.
SP0715X62	VariFlo Side Mount	2" FIP	6	1	9 lbs.
SP071621	VariFlo Side Mount	2" FIP	6	1	8 lbs.
SP0410X602S	VariFlo Top Mount	2" SKT	2	1	4 lbs.
DE2400PAK2CS	Coupling (2)	1 1/2" SKT x 2" SLIP	—	10	12 lbs.

# ProSeries™

## SIDE MOUNT SAND FILTERS

Filters



**S244S ProSeries 24" Filter with 1 1/2" VariFlo Control Valve**



**S310S ProSeries 30" Filter with optional 2" VariFlo Control Valve**

ProSeries high-rate sand filters are molded of durable, corrosion-proof material for long-lasting performance. They feature an advanced, self-cleaning lateral underdrain system for smooth, efficient flow and totally balanced backwashing. For crystal clear water with minimal care, pool professionals choose ProSeries.

### Applications

- In-ground pools of all types and sizes
- In-ground spas (residential or commercial)
- Water features (fish ponds, fountains, water gardens)

### Features

- Durable, flanged inspection cover provides convenient access to top of filter
- Top diffuser ensures even distribution of water over the top of the sand media bed
- Automatic air relief purges any trapped air during operation of the filter system
- Unitized, corrosion-proof filter tank molded of rugged, colorfast polymeric material for dependable, all weather performance
- Large pressure sand/water drain for rapid winterizing or servicing
- 6-position Hayward VariFlo® control valve with easy-to-use lever-action handle lets you dial any of the 6 valve/filter functions. Integral sight glass lets you see when backwash cycle is completed
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability

## ProSeries Side-Mount Sand Filter Buying Guide

Model Number	Valve	Sand Capacity	Dimensions		Ctn. Qty.	Ctn. Weight
			Width**	Height		
S210S	1 1/2" VariFlo	200 lbs.	20 1/2"	32 1/8"	1	46 lbs.
S244S	1 1/2" VariFlo	300 lbs.	24 1/2"	36"	1	53 lbs.
S244SV	2" Slide Valve	300 lbs.	24 1/2"	36"	1	51 lbs.
S244SLV	Not Included*	300 lbs.	24 1/2"	36"	1	60 lbs.
S310S	Not Included*	500 lbs.	30 1/2"	40"	1	76 lbs.

**NOTES:** \*Order valve separately—See "Valve and Coupling Selections" Buying Guide below.

\*\*Above dimensions are for filter only. Add 12" for 1 1/2" and 14" for 2" multiport valves. Add 7" for 2" slide valve.

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
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### Valve and Coupling Selections

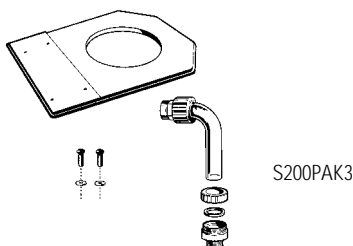
SP0710X62	VariFlo	1 1/2" FIP	6	1	6 lbs.
SP0715X62	VariFlo	2" FIP	6	1	9 lbs.
SP0410X602S	Slide Valve	2" SKT	2	1	4 lbs.
DE2400PAK2CS	Coupling (2)	1 1/2" SKT x 2" SLIP	—	10	12 lbs.

Model Number	Description	Ctn. Qty.	Ctn. Weight
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### Modular System

S200PAK3	Heavy-duty, molded platform base for pump and filter. Complete with rigid, clear sweep union and hardware. Pre-drilled for MaxFlo™, Super® and Super II™ Pumps. Use 1 1/2" VariFlo Valve.	1	11 lbs.
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### Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
S210S	2.20 ft. <sup>2</sup>	44 GPM	21,120	26,400
S244S	3.14 ft. <sup>2</sup>	62 GPM	29,760	37,200
S310S	4.91 ft. <sup>2</sup>	98 GPM	47,040	58,800

\*Based on 20 GPM/ft.<sup>2</sup> (maximum allowable NSF rating).

### Performance Data – Valve Positions

Model Number	Filter	Back-wash	Waste	Recir-culate	Rinse	Closed
SP0710X62	•	•	•	•	•	•
SP0715X62	•	•	•	•	•	•
SP0410X602S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—

A high performance, corrosion-proof filter series that provides both superior filtration and features with ease of operation. The S200 filter series combines high-rate filtration performance and durability.

## Applications

- In-ground pools of all types and sizes
- In-ground spas (residential or commercial)
- Water features (fish ponds, fountains, water gardens)

## Features

- Durable 6" threaded inspection cover provides convenient access to top of filter
- Top diffuser assures even distribution of water over the top of the sand media bed
- Corrosion-proof, heavy-duty filter tank injection-molded of tough, durable ABS for dependable, all-weather performance
- Large pressure sand/water drain for rapid winterizing or servicing
- Bolted center flange provides extra strength and securely fastens tank top and bottom together. Allows for access to all internal components
- 6-position Hayward VariFlo control valve with easy-to-use lever-action handle lets you dial any of the 6 valve/filter functions. Integral sight glass lets you see when backwash cycle is completed
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability.

## Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
S200	2.20 ft. <sup>2</sup>	44 GPM	21,120	26,400

\*Based on 20 GPM/ft.<sup>2</sup> (maximum allowable NSF rating).

## Performance Data – Valve Positions

Model Number	Filter	Back-wash	Waste	Recirculate	Rinse	Closed
SPX0710X32	•	•	•	•	•	•
SPX0715X32	•	•	•	•	•	•



S200 filter with 1 1/2" VariFlo® control valve

## S200 Series Sand Filter Buying Guide

Model Number	Valve	Sand Capacity	Dimensions Width* Height	Ctn. Qty.	Ctn. Weight
S200*	1 1/2" VariFlo	200 lbs.	23 1/2" 37"	1	59 lbs.

**NOTE:** \*Above dimensions are for filter only. Add 12" for 1 1/2" and 14" for 2" multi-port valves.

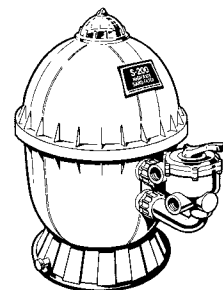
### Modular System Base Paks

S200PAK3	Heavy-duty, molded platform base for pump and filter. Complete with rigid, clear sweep union and hardware. Pre-drilled for MaxFlo®, Super® and Super II™ Pumps. For S200 filters.	1	11 lbs.
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### Accessories

SP1486	Clear sweep union assembly with compression fitting. For S200, when used with MaxFlo, Super or Super II Pumps.	20	34 lbs.
S200KT	Dome wrench for S200 filters.	10	5 lbs.

Clip Art



S200

# ProSeries™

TOP-MOUNT SAND FILTERS – S220T, S220T2, S244T, S244T2, S270T, S270T2 AND S310T2 MODELS

Filters



S244T2 ProSeries 24" Filter with 2" VariFlo Control Valve



S310T2 ProSeries 30" Filter with 2" VariFlo Control Valve

ProSeries high-rate sand filters are molded of durable, corrosion-proof material for long-lasting performance. They feature attractive, unitized tank construction for years of trouble-free operation with only minimal care. ProSeries sets the standard for performance, value and dependability.

## Applications

- In-ground pools of all types and sizes
- In-ground spas (residential or commercial)
- Water features (fish ponds, fountains, water gardens)

## Features

- Flange clamp design allows 360° rotation of valve to simplify plumbing
- Integral top diffuser ensures even distribution of water over the top of the sand media bed. Full-size internal piping provides smooth, free-flowing performance
- Large pressure sand/water drain for rapid winterizing or servicing
- Unitized, corrosion-proof filter tank molded of rugged, colorfast polymeric material for dependable, all-weather performance
- 6 position Hayward 2" VariFlo® control valve with easy-to-use lever-action handle lets you dial any of the valve/filter functions. Integral sight glass lets you see when backwash cycle is completed
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability

## ProSeries Top-Mount Sand Filter Buying Guide

Model Number	Valve	Sand Capacity	Dimensions		Ctn. Qty.	Ctn. Weight
			Width	Height*		
S220T	1 ½" VariFlo	250 lbs.	22 ½"	41"	1	44 lbs.
S220T2	2" VariFlo	250 lbs.	22 ½"	41"	1	44 lbs.
S244T	1 ½" VariFlo	300 lbs.	24 ½"	42"	1	46 lbs.
S244T2	2" VariFlo	300 lbs.	24 ½"	42"	1	46 lbs.
S270T**	1 ½" VariFlo	350 lbs.	27"	43"	1	56 lbs.
S270T2**	2" VariFlo	350 lbs.	27"	43"	1	56 lbs.
S310T2	2" VariFlo	500 lbs.	30 ½"	48"	1	68 lbs.

NOTES: \*Above dimensions are to top of valve. \*\*NOT NSF listed.

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
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### Valve Selections

SP0714T	VariFlo	1 ½" FIP	7	1	5 lbs.
SP071621	VariFlo	2" FIP	6	1	8 lbs.

Model Number	Description	Ctn. Qty.	Ctn. Weight
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### Modular System Base Paks

S160TPAK3	Universal pump and filter mounting base, complete with clear pump-to-filter hose, pipe adapters and hardware. Pre-drilled for PowerFlo LX™ Series, MaxFlo®, Super® and Super II™ Pumps.	1	12 lbs.
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## Performance Data – Filter

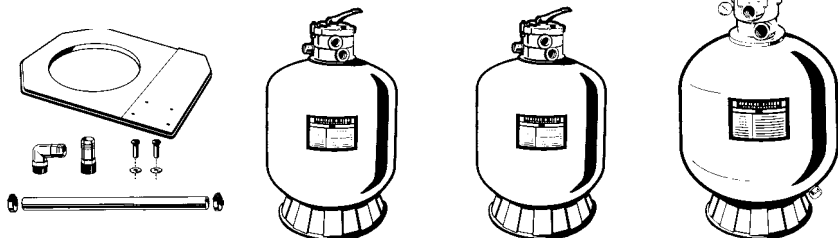
Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
S220T/T2	2.64 ft. <sup>2</sup>	52 GPM	24,960	31,200
S244T/T2	3.14 ft. <sup>2</sup>	62 GPM	29,760	37,200
S270T/T2	3.70 ft. <sup>2</sup>	74 GPM	35,520	44,400
S310T2	4.91 ft. <sup>2</sup>	98 GPM	47,040	58,800

\*Based on 20 GPM/ft.<sup>2</sup> (maximum allowable NSF rating).

## Performance Data – Valve Positions

Model Number	Filter	Back-wash	Waste	Recirculate	Rinse	Closed	Winter
SP0714T	•	•	•	•	•	•	•
SP071621	•	•	•	•	•	•	—

✂ Clip Art





ProSeries sand filters are high performance filters that blend superior flow characteristics and features with ease of operation. For use in multiple applications, Pro Series will provide clear, sparkling water for years to come.

### Applications

- Above-ground/on-ground pools
- Small in-ground pools
- Aquariums (salt or fresh water)
- Ponds

### Features

- Durable filter tank for long-lasting, all-weather performance
- 7-position VariFlo® valve provides maximum flow at lower pressure drop
- Large pressure sand/water drain for rapid winterizing or servicing
- Flange clamp design allows 360° rotation for easy installation
- Integral top diffuser ensures even distribution of water over the entire sand bed for maximum use of the filtration area
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability

### Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
S144T	1.07 ft. <sup>2</sup>	25 GPM	12,000	15,000
S166T	1.40 ft. <sup>2</sup>	30 GPM	14,400	18,000
S180T	1.75 ft. <sup>2</sup>	35 GPM	16,800	21,000
S210T	2.20 ft. <sup>2</sup>	44 GPM	21,120	26,400

### Performance Data – Valve Positions

Model Number	Filter	Back-wash	Waste	Recirculate	Rinse	Closed	Winter
SP0714T	•	•	•	•	•	•	•



S166T ProSeries 16" Filter with VariFlo Control Valve



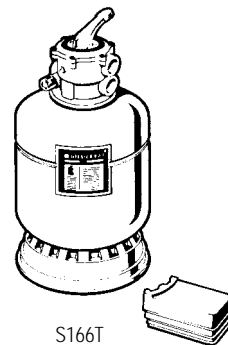
S180T ProSeries 18" Filter with VariFlo Control Valve

### ProSeries Filter Buying Guide

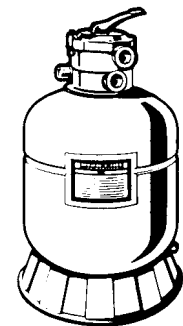
Model Number	Filter Control Valve	Filter Base	Sand Capacity	Dimensions		Ctn. Qty.	Ctn. Weight
				Width	Height		
S144T	SP0714T	•	50 lbs.	14 ½"	32"	1	23 lbs.
S166T	SP0714T	•	100 lbs.	16 ½"	33"	1	25 lbs.
S180T	SP0714T	•	150 lbs.	18 ½"	35"	1	32 lbs.
S210T	SP0714T	•	200 lbs.	20 ½"	38"	1	37 lbs.

**NOTE:** All above filters except S180T and S210T include snap-on molded pump base.

✂ Clip Art



S166T



S180T



S210T93S ProSeries System



S180T1580S ProSeries System

ProSeries sand systems are designed and equipped to offer the ideal combination of energy efficiency and outstanding water clarity. A broad selection of filter sizes, pumps, and accessories allows you to choose and merchandise the system(s) that best suit your above-ground pool program.


### System Features

- Systems are designed for quick assembly and precise alignment of components
- Pumps and filters are performance-matched to provide maximum flow and energy efficiency
- 7-position VariFlo™ valve provides maximum flow at low pressure drop
- Durable filter bases for long-lasting, all-weather performance

## ProSeries Filter System Buying Guide

Model Number	Filter Control Valve	Pump	H.P.	System Components	Ctn. Qty.	Ctn. Weight
S144T1540S	SP0714T	PowerFlo	40 GPM	3	1	44 lbs.
S166T1580S	SP0714T	PowerFlo LX™	1	3,4	1	52 lbs.
S166T92S	SP0714T	PowerFlo Matrix®	1	2,3,4	1	52 lbs.
S166T92STL	SP0714T	PowerFlo Matrix	1	1,2,3,4	1	52 lbs.
S180T1580S	SP0714T	PowerFlo LX	1	3,4	1	62 lbs.
S180T1580X15S	SP0714T	PowerFlo LX	1 1/2	3,4	1	66 lbs.
S180T92S	SP0714T	PowerFlo Matrix	1	2,3,4	1	65 lbs.
S180T92STL	SP0714T	PowerFlo Matrix	1	1,2,3,4	1	65 lbs.
S180T93S	SP0714T	PowerFlo Matrix	1 1/2	2,3,4	1	66 lbs.
S180T93STL	SP0714T	PowerFlo Matrix	1 1/2	1,2,3,4	1	66 lbs.
S180T932S	SP0714T	PowerFlo Matrix	1 1/2/2 SPD	2,3,4	1	66 lbs.
S210T1580X15S	SP0714T	PowerFlo LX	1 1/2	2,3,4	1	66 lbs.
S210T93S	SP0714T	PowerFlo Matrix	1 1/2	2,3,4	1	67 lbs.
S210T932S	SP0714T	PowerFlo Matrix	1 1/2/2 SPD	2,3,4	1	67 lbs.
S210T93STL	SP0714T	PowerFlo Matrix	1 1/2	1,2,3,4	1	67 lbs.
S230T1580X15S	SP0714T	PowerFlo LX	1 1/2	2,3,4	1	67 lbs.
S230T93S	SP0714T	PowerFlo Matrix	1 1/2	2,3,4	1	67 lbs.
S230T932S	SP0714T	PowerFlo Matrix	1 1/2/2 SPD	2,3,4	1	80 lbs.

### System Components

1. 3' twist lock cord 
2. PowerFlo Matrix pump
3. 1 1/2" hose packages include: two (2) 1 1/2" x 6' lengths of hose, hose adapters and hose clamps
4. Deluxe one piece base accepts automatic chlorine feeders (CL110ABG/CL220ABG)
5. Includes hose adapters

### Optional Accessories

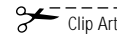
Model Number	Description	Ctn. Qty.	Ctn. Weight
SP1500UNPAK2	Set of two (2) quick connect unions	50	32 lbs.
SP1500FT	Microprocessor Pump Timer	10	5 lbs.
EC1155	1 1/2" Hose Kit With Adapters and Clamps	1	3.5 lbs.
EC1079SPK24	24-piece 1 1/2" x 6' Spiral Hose Pack	1	25 lbs.

### Optional Microprocessor Timer Features (ProSeries Only)

- Audible beep
- Preset filtration settings
- Manual override
- Retrofits to any Flex48 frame motor



Microprocessor Timer



Clip Art

### S180T92S includes:

- 18" Polymeric Tank
- 7-Position Filter Control Valve
- SP1592, 1 H.P. PowerFlo Matrix Pump
- One Piece Deluxe Base
- 1 1/2" Hose Package



### S210T93S includes:

- 20" Polymeric Tank
- 7-Position Filter Control Valve
- SP1593, 1 1/2 H.P. PowerFlo Matrix Pump
- One Piece Deluxe Base
- 1 1/2" Hose Package



### S230T93S includes:

- 23" Polymeric Tank
- Same as S210T93S (see above)

VL Series above-ground systems offer the performance and reliability expected from the world's leading provider of above ground equipment.

The large VL 210 series system features a 1.5 HP pump that is performance matched to the 21" filter for minimal energy consumption. The seven-position VariFlo™ control valve makes changing filter functions simple.

The VL 40 series system is easy to assemble with an integrated pump base, an incredibly quiet pump and proven sand filter technology for trouble-free operation.

### System Features

- Systems are designed for quick assembly and precise alignment of components
- Pumps and filters are performance-matched to provide maximum flow and energy efficiency
- Multi-position valve provides maximum flow at low pressure drop
- Durable filter bases for long-lasting, all-weather performance

#### VL210T1285S includes:

- 21" Polymeric Tank
- 7-Position Filter Control Valve
- 1 1/2" HP VL Series Pump
- 1 Piece Deluxe Base
- 1 1/2" Hose Package

#### VL40T32 includes:

- 13" Polymeric Tank
- 4-Position Filter Control Valve
- 30 GPM Pump
- Integrated Pump Base
- 1 1/4" and 1 1/2" Hose Adapters



VL 210 Series System




VL 40 Series System

## VL Series Filter System Buying Guide

Model Number	Filter Control Valve	Pump	H.P.	System Components	Ctn. Qty.	Ctn. Weight
VL40T32	4 Position	VL Series Pump	30 GPM	4	1	29 lbs.
VL210T1285S	SP0714T	VL Series	1.5	2,3	1	64 lbs.
VL210T1285STL	SP0714T	VL Series	1.5	1,2,3	1	64 lbs.

### System Components

1. 3' twist lock cord 
2. 1 1/2" hose packages include: two (2) 1 1/2" x 6' lengths of hose, hose adapters and hose clamps
3. Deluxe one piece base accepts automatic chlorine feeders (CL110ABG/CL220ABG)
4. Includes hose adapters