



## Pro Series

### TOP-MOUNT SAND FILTERS

Hayward Pro Series high-rate sand filters offer the very latest in pool filter technology with smooth, efficient flow and totally balanced backwashing.

Pro Series sand filters feature unitized construction of corrosion-proof, polymeric material and self-cleaning 360° slotted laterals. A versatile seven-position control valve offers both easy operation and maximum efficiency.

For crystal clear, sparkling water with minimum care, Pro Series filters set a new standard for performance, value and dependability.



### Integral Top Diffuser

ensures even distribution of water over the top of the sand media bed. Full-size internal piping gives smooth, free-flowing performance.

### Efficient, Multilateral Underdrain Assembly

with precision-engineered, self-cleaning 360° slotted laterals give totally balanced flow and backwashing.

### Integral Molded Drain Plug

for easy draining of tank, without the loss of sand.



### Flange Clamp Design

allows 360° rotation of valve to simplify plumbing.

### Unitized, Corrosion-Proof Filter Tank

molded of tough, durable, colorfast polymeric material for dependable, all-weather performance with only minimal care.

### Totally Corrosion-Proof Base

is rugged and attractively styled to provide strong, stable support.

## SPECIFICATIONS – PRO SERIES HIGH-RATE SAND FILTERS

Filter Type	High-Rate Sand: No. ½ Silica Sand (.45 mm - .55mm)
Filter Tank	Molded Polymeric
Underdrain	360° Self-Cleaning Slotted Laterals, Precision-Installed in Ball Joint Assembly
Control Valve	1 ½" or 2" 7-Position, Top-Mount Vari-Flo™ with Lever-Action Handle
Valve Fastening	Flange Clamp Design
Support Base	Injection-Molded Polymer
Performance Range	30 to 120 GPM, 114 to 454 LPM
Dimensions	S180T – 18 ½"W x 35"H (470 mm x 889 mm) S210T – 20 ½"W x 38"H (521 mm x 965 mm) S220T – 22 ½"W x 41"H (572 mm x 1041 mm) S244T – 24 ½"W x 42"H (622 mm x 1067 mm) S270T – 27"W x 43"H (675 mm x 1075 mm) S270T2 – 27"W x 43"H (675 mm x 1075 mm) S310T2 – 30 ½"W x 48"H (775 mm x 1219 mm) S360T2 – 35 ½"W x 53"H (895 mm x 1346 mm)



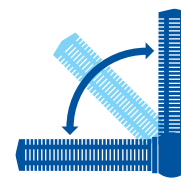
Vari-Flo™ 7-Position Control Valve with easy-to-use lever-action handle lets you "dial" any of seven valve/filter functions.

## PERFORMANCE DATA

MODEL NUMBER	EFFECTIVE FILTRATION AREA		DESIGN FLOW RATE*		TURNOVER				SAND REQUIRED	
					GALLONS		KILOLITERS			
	ft.²	m²	GPM	LPM	8 hrs.	10 hrs.	8 hrs.	10 hrs.	lbs.	kg
S180T	1.75	0.163	35	132	16,800	21,000	63.59	79.48	150	68
S210T	2.20	0.205	44	167	21,120	26,400	79.94	99.92	200	91
S220T	2.64	0.246	52	197	24,960	31,200	94.47	118.09	250	114
S244T	3.14	0.292	62	235	29,760	37,200	112.64	140.80	300	136
S270T	3.70	0.345	74	285	35,520	44,400	134.49	168.07	350	159
S270T2	3.70	0.345	74	285	35,520	44,400	134.49	168.07	350	159
S310T2	4.91	0.457	98	371	47,040	58,800	178.05	222.56	500	227
S360T2	7.06	0.660	141	535	67,680	84,600	256.20	320.25	700	318

\*Based upon 20 GPM per ft.² (814 LPM per m²). Maximum allowable NSF rating.

### Patented Service-Ease Design



with unique folding ball joint design allows lateral assembly to be easily accessed for simple servicing.



To take a closer look at Hayward Filters, go to [www.haywardpool.com](http://www.haywardpool.com) or call 1-888-HAYWARD.





# ProSeries

ABOVE-GROUND  
HIGH RATE SAND FILTERS

## The Clear Choice In Sand Filtration.

- Exclusive full-flow 360° self-cleaning laterals provide energy-efficient operation and thorough backwashing
- Seven-position VariFlo™ control valve makes changing filter function quick and easy
- Corrosion-proof construction
- Reduced energy costs
- Easy-access assembly makes service simple
- For above ground or small in-ground pools



# Pro Series Filter Systems



**S144T 14"**  
ProSeries Filter

Economical system for smaller above-ground pools.

- Seven-position multiport control valve
- PowerFlo LX™ Series high-performance pump
- One-piece base



**S166T 16"**  
ProSeries Filter

Larger unit designed for most above-ground pools.

- Seven-position multiport control valve
- PowerFlo Matrix or LX Series high-performance pump
- One-piece base



**S180T 18"**  
ProSeries Filter

High-powered, high-capacity system for larger above-ground pools.

- Seven-position multiport control valve
- PowerFlo Matrix or LX Series high-performance pump
- One-piece, deluxe base



**S210T 21"**  
ProSeries Filter

Bigger filter and pump system provide greater filtration for above-ground pools and small in-ground pools.

- Seven-position multiport control valve
- PowerFlo Matrix Series high-performance pump
- One-piece, deluxe base



**S230T 23"**  
ProSeries Filter

Ultimate system for large above-ground pools and small in-ground pools.

- Seven-position multiport control valve
- PowerFlo Matrix Series high-performance pump
- One-piece, deluxe base

## Why you should go with the Pro.

### Superior filtration from the inside out.

The ProSeries filter features an integral top diffuser that evenly distributes unfiltered water over the sand media bed in a cascading, umbrella-like pattern. This allows the greatest filtration possible from every square inch of sand.

Then the self-cleaning underdrain assembly, with its 360° slotted laterals, provides a fast, balanced flow of clear water back to the pool while allowing for more thorough backwashing. Best of all, the ProSeries' full-flow technology reduces your energy costs because the filter operates for shorter periods.

### Seven-position valve puts you in control.

The patented, multiport control valve developed by Hayward was designed with seven pool filter positions. An easy-to-use lever-action handle lets you quickly dial any function.

### Long-lasting convenience.

You can easily access the ProSeries filter assembly for simple servicing via the unique folding ball joint in the laterals. A corrosion-proof housing protects the filter from severe weather for years to come.

### ProSeries Specifications

Filter type:	High-rate sand: No. 20 silica sand (.45 mm – .55 mm)
Filter tank:	Molded polymeric
Underdrain:	360° self-cleaning slotted laterals, precision installed in ball-joint assembly
Control valve:	Seven-position, top-mount VariFlo™ valve with lever-action handle
Valve fastening:	Flange clamp design
Pump and motor:	PowerFlo LX™ or PowerFlo Matrix® Series Pump – 115 volts
Mounting base:	Injection-molded thermoplastic

### Filter Performance Data

Model Number	Effective Filtration Rate	Design Flow Rate	Turnover (in gallons)	
			8 hours	12 hours
S144T	1.07 ft. <sup>2</sup>	25 GPM	12,000	18,000
S166T	1.40 ft. <sup>2</sup>	30 GPM	14,400	21,600
S180T	1.75 ft. <sup>2</sup>	35 GPM	16,800	25,200
S210T	2.20 ft. <sup>2</sup>	44 GPM	21,120	31,680
S230T	2.70 ft. <sup>2</sup>	54 GPM	25,920	38,880



\* When provided with a 3-foot twist-lock cord.

To take a closer look at ABG Sand Filters or other Hayward products, go to [www.hayward.com](http://www.hayward.com) or call 1-888-HAYWARD



# Pro Series Plus

SPHERICAL DESIGN SIDE-MOUNT  
SAND FILTERS

Powerful performance.  
Spherical design.



The pool professional's choice for exceptional filtration in a spherical design. This Pro Series Plus filter incorporates many of the advanced features found in Hayward's Pro Series sidemount filter, delivering high-rate performance for the most demanding installations.

Thanks to its spherical design, the Pro Series Plus evenly distributes the high pressure and stress that are common with solar heating systems, spas, fountains and in-floor cleaning systems. Its impressive underdrain assembly uses 3,800 slots on 10 self-cleaning laterals that ensure totally balanced flow and backwashing. The overall result is a minimal-maintenance filter with greater strength and longer life.



FILTERS

#### Manual Air Relief

for easy, manual release of air from system.

#### Durable Flanged Inspection/Access Cover

provides convenient access to top of filter.

#### Integral 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.

#### Automatic Air Relief

purges any trapped air during operation of the filter system.

#### Unitized, Corrosion-Proof Spherical Filter Tank

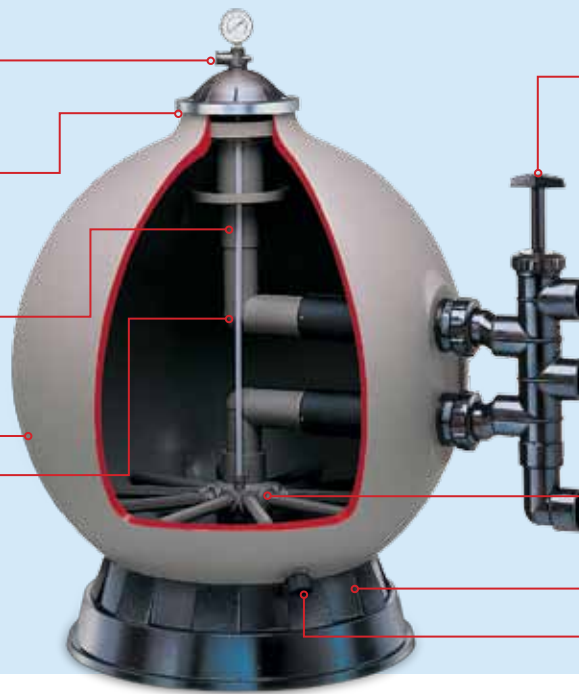
is molded of rugged, color-fast polymeric material for maximum strength.

Optional Valve and Coupling Selections for plumbing ease and versatility.

Efficient, Multilateral Underdrain Assembly with 360° slotted, self-cleaning laterals, gives totally balanced flow and backwashing.

Totally Corrosion-Proof Base is rugged and attractively styled to provide strong, stable support.

Integral Molded Drain Plug for easy draining of tank, without the loss of sand.



### Pro Series Plus Spherical Design Side-Mount Sand Filters Specifications

Filter type	High-rate sand: No. 20 silica sand (.45 mm – .55 mm)
Filter tank	Spherical, Molded Polymeric
Underdrain	360° self-cleaning slotted laterals, precision installed in ball-joint assembly
Control valve	2", 7-Position, Vari-Flo™ ; 2", 2-Position Slide Valve; or 1 1/2" SKT x 2" SLIP Connectors for Multiple (Tandem) Filter Installations
Support Base	Injection-Molded ABS
Performance Range	99 to 130 GPM (375 to 492 LPM)
Dimensions	S311SX – 31" W x 38 5/8" H (79 cm x 98 cm) S360SX – 36" W x 46" H (91 cm x 117 cm)

Above dimensions are for filter only. Add 14" (36 cm) for multi-port valve, add 7" (8 cm) for slide valve.



### Your Choice of Control Valves

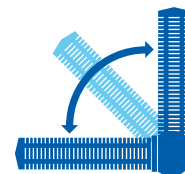
Select from a wide array of valve options for customized control of your filtration system, including Hayward's 2", 2-position slide valve.

### Filter Performance Data

Model Number	Effective Filtration Rate	Design Flow Rate*	Maximum Working Pressure	Turnover (in gallons)		Sand Required
				8 hours	10 hours	
S311SX	4.95 ft <sup>2</sup>	99 GPM	50 psi	47,520 gal	59,400 gal.	350 lbs.
	0.46 m <sup>2</sup>	375 LPM	3.45 bar	180 kl	225 kl	159 kg
S360SX	6.50 ft <sup>2</sup>	130 GPM	50 psi	62,000 gal.	78,000 gal	700 lbs.
	0.60 m <sup>2</sup>	492 LPM	6.45 bar	236 kl	295 kl	318 kg

\*Based upon 20 GPM per ft.<sup>2</sup> (815 LPM per m<sup>2</sup>). Maximum allowable NSF rating.

### Patented Service-Ease Design



Unique folding ball joint design allows lateral assembly to be easily accessed for simple servicing.

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