

Star™

Thermoplastic Regenerative D.E. Filter
By Pentair Pool Products®



Greatest water clarity with least possible attention

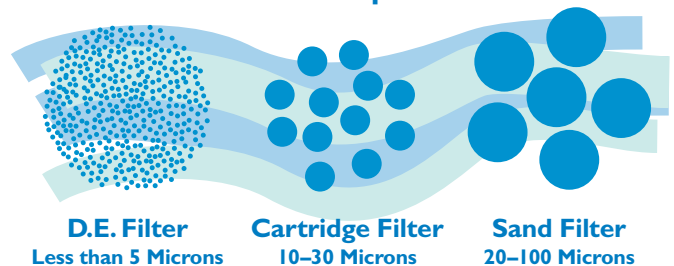
Diatomaceous earth (D.E.) removes particles that are so small they are individually undetected by the human eye, but combine to decrease water clarity. Star™ D.E. filters remove these microscopic contaminants so your water achieves the glass-like clarity only D.E. can deliver.

Plus, Star filters help maintain themselves. An exclusive “pre-cleaning” feature enables the filter to dislodge trapped dirt and D.E. particles from the filter. A few turns of a knob is all it takes to “regenerate” the media inside the filter so it is able to provide extended service before periodic cleaning is required.

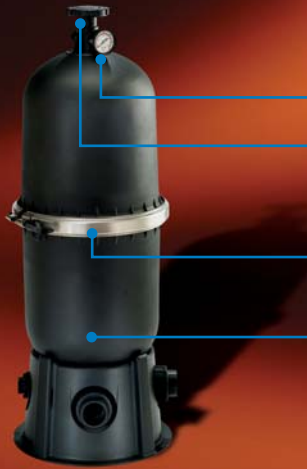
Other key features include:

- Refined hydraulic design minimizes flow restrictions so the least amount of pumping power produces the optimum flow rates—for lower utility costs.
- All system components manufactured from the most durable and maintenance-free engineered materials for years of service.
- Time-proven vertical media grids with 2-inch spacing provide the most efficient use of D.E. per cycle—trapping more dirt for cleaner water and longer cycle times between cleanings.
- Exclusive, rotatable grid assembly lifts out easily for any required service.

Particle Filtration Comparison



Star™ Thermoplastic Regenerative D.E. Filter



- Easy view pressure gauge
- Rotating knob allows quick and easy "bump and swish regeneration" of filter to extend time between full cleanings
- Stainless steel clamp is easy off, easy on and lasts for years
- Tank is molded from advanced, corrosion-proof thermoplastic for strength and long life



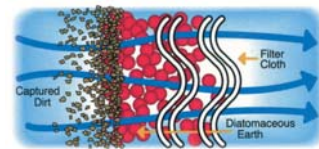
Model Number	Filter Area Sq. Ft.	Vertical Clearance*	Filter Diameter	D.E. Required (Lbs.)	Flow Rate GPM**	Turnover Capacity (Gallons)		
						8hrs.	10hrs.	12hrs.
ST 35	7.6	38"	12"	3	35	16,800	21,000	25,200
ST 50	11.4	50"	12"	4	50	24,000	30,000	36,000
ST 80	15.2	63"	12"	5	80	38,400	48,000	57,600

* Required clearance to remove filter elements
 ** Maximum flow rate

Crystal water clarity has never been easier

Keeping your Star™ D.E. filter running right takes little time and couldn't be simpler, thanks to a number of user-friendly features.

- Premium stainless steel clamp permits quick and easy access to internal components.
- Easy to remove, oversized drain plug allows rapid draining when cleaning.
- Unique check valve is built into filter inlet port to prevent backflow of D.E. powder into pump—a life-extending improvement over competing filters.
- One-year limited warranty. See warranty for details.



How a D.E. Filter Works

When diatomaceous earth (D.E.) is introduced into the filter system, it coats the filter cloth. As water passes over the filter grids, the D.E. particles capture even the smallest suspended dirt particles. When cleaning is needed, the water flow is simply reversed and contaminants are backwashed away.

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