



For water that truly sparkles

Filtering with diatomaceous earth (D.E.) results not just in clean water, but water that really sparkles. That's because D.E. filters remove particles so small, they are measured in microns...particles the human eye can't even detect but noticeably affect water clarity. DE filters remove the tiniest of contaminants for water that's truly crystal clear.

D.E. filters not only filter better, they make your life easier...if two goals are met. First is to maximize the filtration area. More filter area means longer periods between cleanings. Second is to design a system that requires the least amount of pumping power to achieve a needed flow rate. Because lower pumping requirements mean lower utility costs.

That's why all Pentair D.E. filters feature curved grids to maximize surface area. It's why their internal design has been refined to minimize flow restrictions. No wonder more than 2 million Pentair filters have been installed by pool professionals.

Pentair 4000 Series D.E. filters are designed for optimum filtration efficiency, easy maintenance, and longer runs between cleaning. Their extraordinary dirt-holding capacity and ease of cleaning make them ideal for even large or heavily used pools.

Standard features include:

- Unique Spiro-Mite™ grid design provides high efficiency filtration and longer filter cycles because pool water is always routed through the optimum filtration path.
- Exclusive clamp ring design allows quick and easy access to internal components.
- Corrosion resistant fiberglass tank for strength, durability, and years of service.
- Curved grid assembly provides the most efficient D.E. filtration available.



4000 Series™

Fiberglass D.E. Filter

Trap more dirt. Clean less often.

4000 Series D.E. filters can easily keep pools crystal clear. They're engineered to provide high efficiency filtration and long runs with a minimum of maintenance. And when occasional maintenance is required, you'll appreciate the safe, user-friendly design of the tank's clamp ring, and the ease with which filter grids can be removed for cleaning.

Additional features include:

- Durable backwash valve is unaffected by heat and cold, ensuring flawless operation under all conditions.
- Thermoplastic backwash rotor seal is specially designed to prevent dirt from entering rotor chamber, resulting in smoother operation.
- 2" threaded connections for maximum flow.
- 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.

SMBW 4000—D.E. Filter

Model Number	Filter Area Sq. Ft.	Vertical* Clearance	Filter Diameter	Flow Rate GPM		Turnover Capacity-Res. (Gallons)		
				Res.**	Comm.	6hrs.	8hrs.	12hrs.
SMBW 4036	35	46"	21.63"	88	70	31,680	42,240	63,360
SMBW 4048	47	52"	21.63"	118	94	42,480	56,640	84,960
SMBW 4060	58	58"	21.63"	145	116	52,200	69,600	104,400

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

Ask your Pool Professional about Pentair's comfort and convenience options to add a whole new dimension to your pool living:

- ☀ **automatic sanitizers**
- ☀ **automated controls**
- ☀ **heaters/heat pumps**
- ☀ **automatic cleaners**
- ☀ **automated color lighting**

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