

# FNS<sup>®</sup>

## Fiberglass D.E. Filter

By Pentair Pool Products<sup>®</sup>



## Micro-filtration for macro-clarity

Filtering with diatomaceous earth (D.E.) gives you water that really sparkles. That's because D.E. filters remove the tiniest of contaminants...particles as small as 5 microns. (An average grain of sand is 1000 microns!) Even though these particles can't be seen individually, collectively they greatly affect water clarity. Here's why diatomaceous earth filters work so well. Water passes through a series of D.E. coated grids. Under a microscope, D.E. looks like a collection of tiny sponges. And just like a sponge, water can pass through, but microscopic impurities like dirt, algae, and some forms of bacteria can't. FNS<sup>®</sup> D.E. filters have been designed with curved grids to maximize filtration area. More filter area means better performance and longer periods between cleanings. Our exclusive internal design has been refined to minimize flow restrictions, and therefore requires minimal pumping power to achieve a needed flow rate. That means lower utility costs.

In addition to providing the clearest water possible, FNS was also designed for easy maintenance and long-term reliability. So you can count on it to keep your pool water clean and crystal clear for years to come.

- Corrosion-resistant fiberglass tank for long life.
- Top-to-bottom backwashing for optimum cleaning efficiency and sustained filter performance.
- Stainless steel tank clamp for secure closure of tank halves.

### 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.

# FNS<sup>®</sup> Fiberglass D.E. Filter



- Stainless steel tank clamp for secure closure
- Corrosion-resistant fiberglass tank for long life
- 2" plumbing connections for maximum flow and filtration efficiency



Model Number	Filter Area Sq. Ft.	Vertical Clearance*	Filter Diameter	Flow Rate GPM		Turnover Capacity (Gallons)		
				Res.**	Com.	8 hours	10 hours	12 hours
FNS 24	24	45"	18.5"	48	36	23,040	28,800	34,560
FNS 36	36	57"	18.5"	72	54	34,560	43,200	51,840
FNS 48	48	63"	18.5"	96	72	46,080	57,600	69,120
FNS 60	60	75"	18.5"	120	90	57,600	72,000	86,400

## Proprietary design for lower maintenance and higher efficiency

The FNS<sup>®</sup> D.E. filter features our exclusive internal design that produces optimum filtration efficiency and extends the time between cleanings. This design also ensures the most thorough backwashing possible, so your filter is restored to peak performance time after time.

- Curved vertical filter grids provide maximum filter surface area for the most efficient filtration available.
- Innovative interior design—grid assembly with molded-in handles lifts out easily for inspection and periodic cleaning.
- Easily accessible 2" drain for efficient cleanout.
- 2" plumbing connections for maximum flow and filtration efficiency.
- One-year limited warranty. See warranty for details.

\* Required clearance to remove filter elements.

\*\* Maximum flow rate. Flow rate is based on 2.0 GPM per sq. ft. of filter area. Actual system flow will depend on plumbing size and other system components.

### Available from:



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