

FlexDisc™ Fine Bubble Membrane Diffuser

Water Technologies

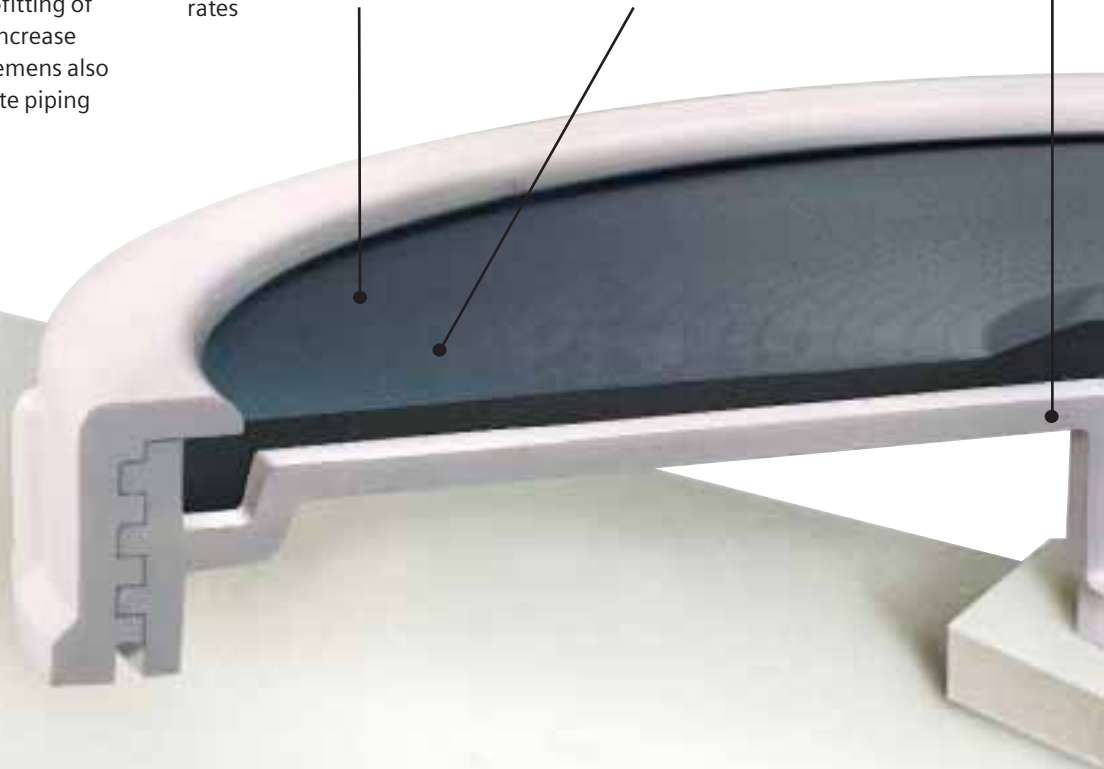
SIEMENS

For New Installations and Retrofit, the Choice is Clear

The FlexDisc™ diffuser is your best choice for new diffusion aeration installations utilizing fine bubble membrane technology. Its innovative design is undoubtedly the most efficient and cost effective diffuser of its kind...a real advancement in membrane diffuser engineering. In addition, FlexDisc™ assembly has been designed for quick and easy retrofitting of existing diffused aeration installations to increase performance and decrease utility costs. Siemens also offers full technical assistance and complete piping systems for new or retrofit installations.

Heavy-duty membrane is a specially formulated and molded, EPDM compound. It has 100% rebound memory, and will last 5 to 10 years, even at low airflow rates

Precision perforated "I" slits resist tearing and stay cleaner, longer... open when airflow is present, close when airflow is stopped





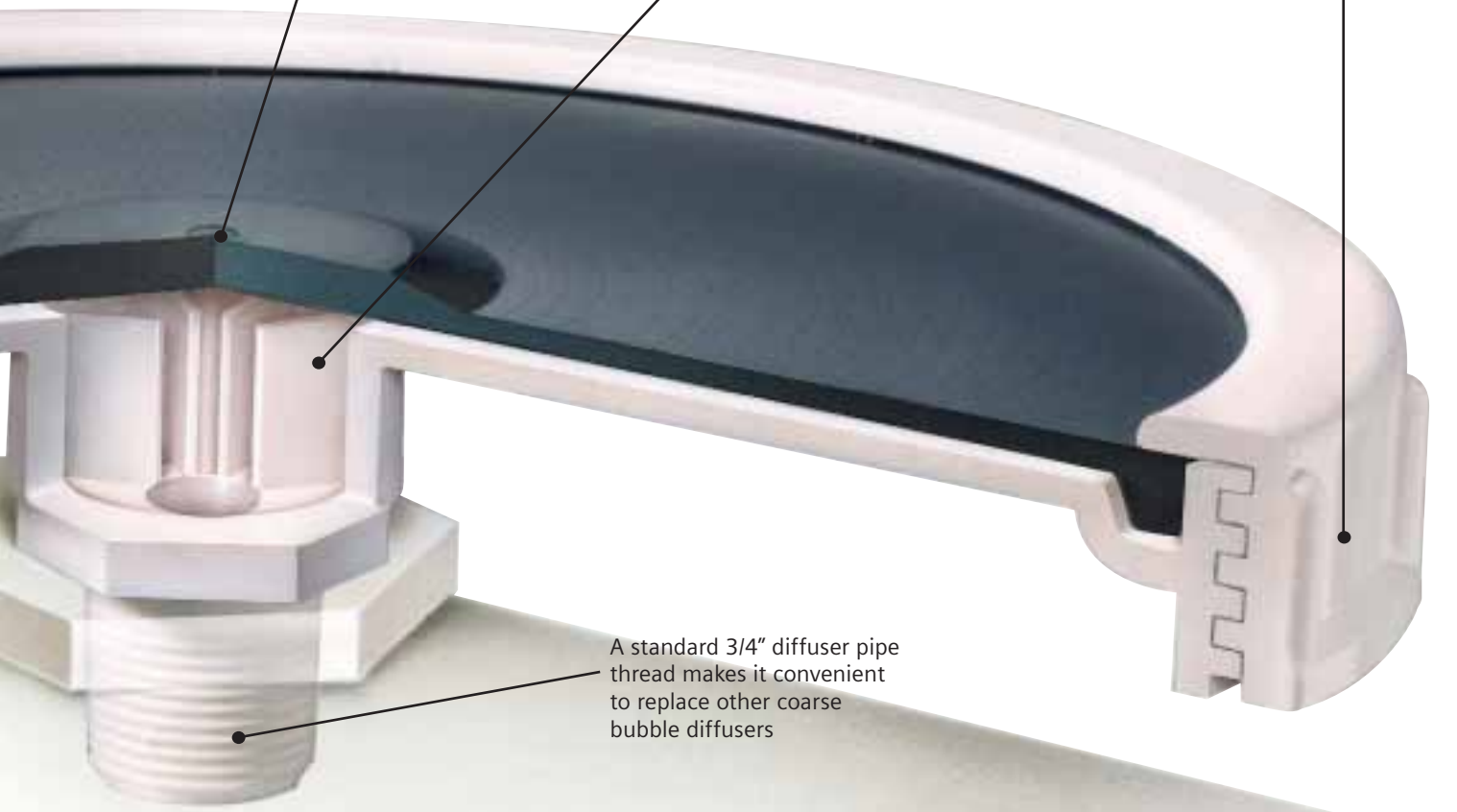
Typical FlexDisc™ installation.

Environmentally resistant and durable base is constructed of molded polypropylene

Thickened center prevents ballooning and tapered membrane guarantees equal, fine bubble distribution across entire surface

Center vanes support the center of the membrane when airflow is absent

Threaded lock ring tightens to hold the membrane firmly in place



A standard 3/4" diffuser pipe thread makes it convenient to replace other coarse bubble diffusers

FlexDisc™, the Affordable, Efficient Membrane Technology

Improved Performance, Lower Operating Costs

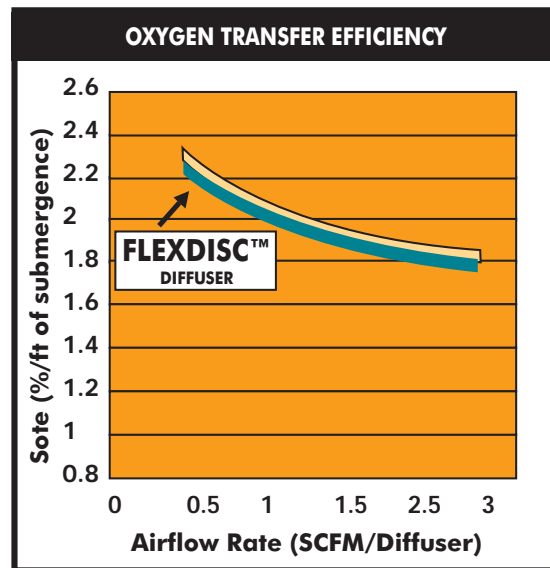
When compared to coarse bubble systems, the highly efficient FlexDisc™ system will cut your electric utility costs in half. The higher oxygen transfer efficiencies will also permit greater process flows and improved effluent quality. The FlexDisc™ membrane's unique sealing action when the airflow is stopped, eliminates plugging common with many coarse bubble diffusers. With the FlexDisc's threaded nipple, retrofitting of coarse bubble diffusers is often simply a matter of replacement.

Outperforms Ceramic Diffusers

FlexDisc™ systems offer dramatically decreased maintenance and downtime as compared to ceramic fine bubble diffuser systems. Ceramic diffusers, with their rough surfaces and non-uniform air distribution, encourage biogrowth which results in reduced oxygen transfer efficiency and plugging, making it necessary to regularly drain the tanks, hose and spray with dangerous acids or use gases for cleaning. FlexDisc™ diffuser with its smooth outer surface, uniform bubble distribution and continuous flexing of the rubber membrane eliminates build up of any type, thereby assuring a lifetime of efficient, maintenance free performance.

Best Quality, Best Support

Our air diffusers are unsurpassed for efficiency, low cost and performance. We also offer full technical support to assist you with everything from air diffuser selection to complete aeration piping systems design for both new installations and retrofit.



This chart demonstrates the superior oxygen transfer efficiency provided by FlexDisc™ fine bubble diffusers.

Your One Source For Air Diffusers

Siemens offers the most complete line of fine and coarse bubble, plastic, stainless steel and membrane/ceramic air diffusers of any company in the industry, guaranteeing you'll find the right diffuser for your application. We also offer full technical support to assist you with everything from air diffuser selection to complete aeration piping systems design. For new installations, retrofit, or replacement, we're your one source.

Coarse Bubble Diffusers	Fine Bubble Diffusers
 <p>SED™ Diffuser</p>	 <p>FlexDisc™ Diffuser (Threaded connection)</p>
 <p>VariAir™ Diffuser</p>	 <p>FlexDome™ Diffuser (Ceramic Dome Replacement)</p>
 <p>Snap-Cap™ Diffuser</p>	 <p>DualAir™ Membrane & Ceramic Diffuser</p>
 <p>AirSeal™ Diffuser</p>	 <p>FlexLine™ Tubular Diffuser</p>
 <p>WideBand™ Stainless Steel Diffuser</p>	
 <p>AirBand™ WideBand Plastic Diffuser</p>	

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