



evoqua
WATER TECHNOLOGIES



FLEXDOME™
FINE BUBBLE MEMBRANE DIFFUSER

ceramic style
dome diffuser

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

simple, quick, bolt-on
replacement

orifice bolt sized for
controlled airflow rate

specially formulated and molded,
EPDM compound 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,
closed when airflow is stopped

environmentally
resistant and durable
base is constructed of
molded polypropylene

threaded lock ring
is screwed down to
hold the membrane
firmly in place

INTRODUCING THE FLEXDOME™ AIR DIFFUSER

The FlexDome™ fine bubble membrane diffuser was developed specifically as a ceramic dome diffuser replacement.

YOUR CHOICE FOR RETROFIT

The FlexDome diffuser makes retrofit simple. Its innovative bolt-on design allows you to replace your ceramic dome media - keeping the rest of the piping systems in tact. No modifications required... a first in membrane diffuser engineering. In fact, complete installation of the FlexDome assembly actually takes less time than cleaning your existing ceramic dome system.

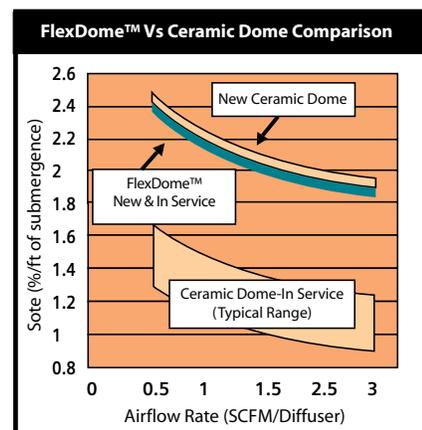
YOUR CHOICE FOR LESS MAINTENANCE

FlexDome membrane diffusers offer a dramatic decrease in required maintenance and downtime when compared to ceramic dome systems. The regular cleaning of ceramic dome diffusers involves the draining of aeration tanks, hose cleaning and spraying with dangerous acids or gases. The FlexDome diffuser with its smooth outer surface, uniform bubble distribution and continuous flexing of the membrane eliminates build-up of any type. Additionally, unlike with ceramic domes, the FlexDome diffuser's unique sealing action prevents seepage of water into headers as tanks are being filled, thus assuring a lifetime of efficient, maintenance free performance.

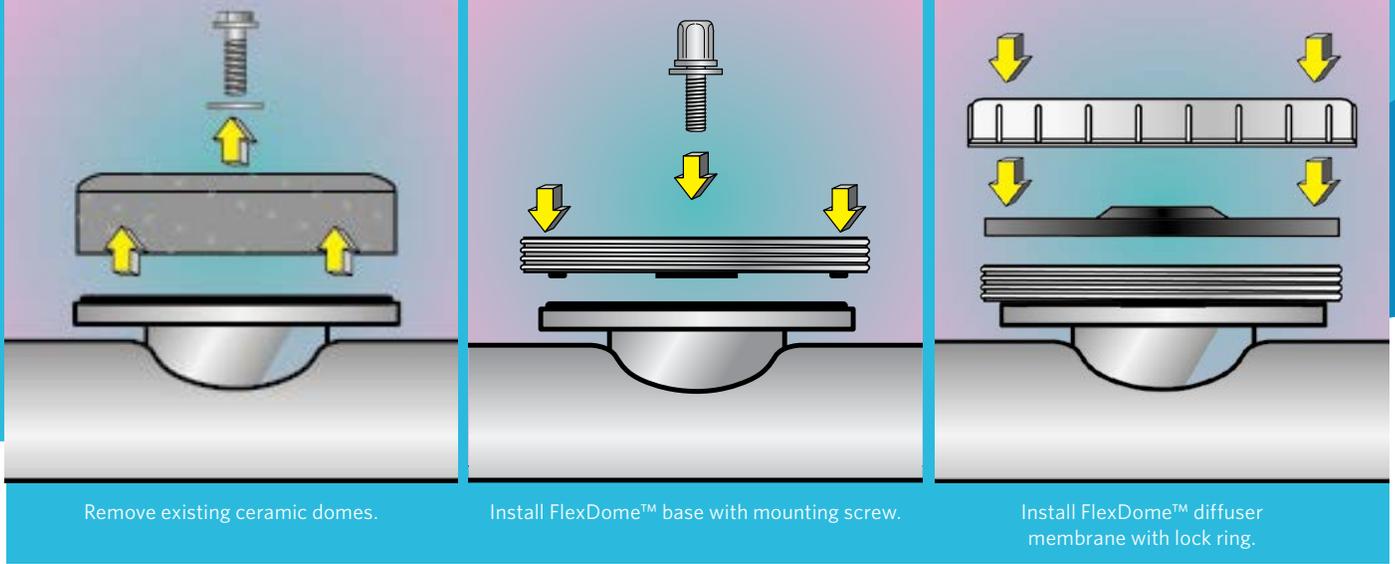
YOUR CHOICE FOR IMPROVED PERFORMANCE

When compared to ceramic domes, the highly efficient FlexDome will cut your electric utility costs by 25% to 40% (See Comparison Chart). Ceramic dome diffusers with their rough surfaces and non-uniform air distribution encourage biogrowth which results in reduced oxygen transfer efficiency and plugging.

The higher oxygen transfer efficiencies maintained by FlexDome will improve effluent quality and permit greater process flows. For Ceramic Dome Replacement, the choice is clear.



The chart above demonstrates that the excellent performance properties of FlexDome™ diffusers exceed in-service ceramic domes.



Installation is as simple as 1, 2, 3 — entire removal and installation takes less than two minutes per dome!

YOUR ONE SOURCE FOR AIR DIFFUSERS

BIGGEST SELECTION

Evoqua Water Technologies offers the most complete line of fine and coarse bubble, plastic, stainless steel and membrane air diffusers of any company in the industry. Our broad selection guarantees you'll find the right diffuser for your application.

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.

FASTEST DELIVERY

Most of our diffuser products are stocked and ready for immediate shipment. We'll also send FREE samples for your review. Our toll free order and service number guarantees fastest answers, fast product and no costly delays. For new or replacement air diffusers, just call your 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>WideBand™ Stainless Steel Diffuser</p>	
 <p>AirBand™ WideBand Plastic Diffuser</p>	



2607 N. Grandview Blvd, Suite 130, Waukesha, Wisconsin 53188

+1 (866) 926-8420 (toll-free) +1 (978) 614-7233 (toll) www.evoqua.com

FlexDome, WideBand, SED, FineAir, VariAir, AirBand, Snap-Cap, AirSeal, and FlexDisc are trademarks of Evoqua, its subsidiaries or affiliates, in some countries.

All information presented herein is believed reliable and in accordance with accepted engineering practices. Evoqua makes no warranties as to the completeness of this information. Users are responsible for evaluating individual product suitability for specific applications. Evoqua assumes no liability whatsoever for any special, indirect or consequential damages arising from the sale, resale or misuse of its products.

© 2014 Evoqua Water Technologies LLC Subject to change without notice BC-FLEXDOME-BR-0914