

FlexDome™ Diffusers: The Answer to Your Retrofit Needs

FlexDome™ diffusers are the latest in retrofit membrane technology. The patented bolt-on design allows you to replace your ceramic dome media manufactured by Norton, Carborundum, Aercor, and Grey with state of the art 9-inch membrane diffusers.

Features

- EPDM membrane diffuser element
- Membrane diffuser air check valve
- PVC retaining ring.
- Polypropylene base plate.
- Brass orifice bolt

Benefits

- Uniform bubble distribution and reduced fouling enhance performance and reduce maintenance costs.
- Positive seal provided when air is shut off (center valve is three times as thick as the active area of the membrane).
- Positive attachment of membrane achieved with three threads of engagement onto diffuser base plate.
- Gusseted construction withstands deep submergence pressure reversals without deflection or leakage.
- Airflow rate uniformly regulated, while providing a strong connection between the existing pipe and the new FlexDome™ diffuser.



Installation

The installation of FlexDome™ diffuser requires approximately 5-10 minutes of labor:

- (1) Remove existing ceramic diffuser dome from existing plastic base.
- (2) Clean surface of header pipe and inspect bolt hole.
- (3) Install new base plate with EPDM gaskets and brass bolt/washer.
- (4) Place EPDM membrane element on top of base plate.
- (5) Screw PVC retaining ring onto the FlexDome™ base.

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Data Sheet

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