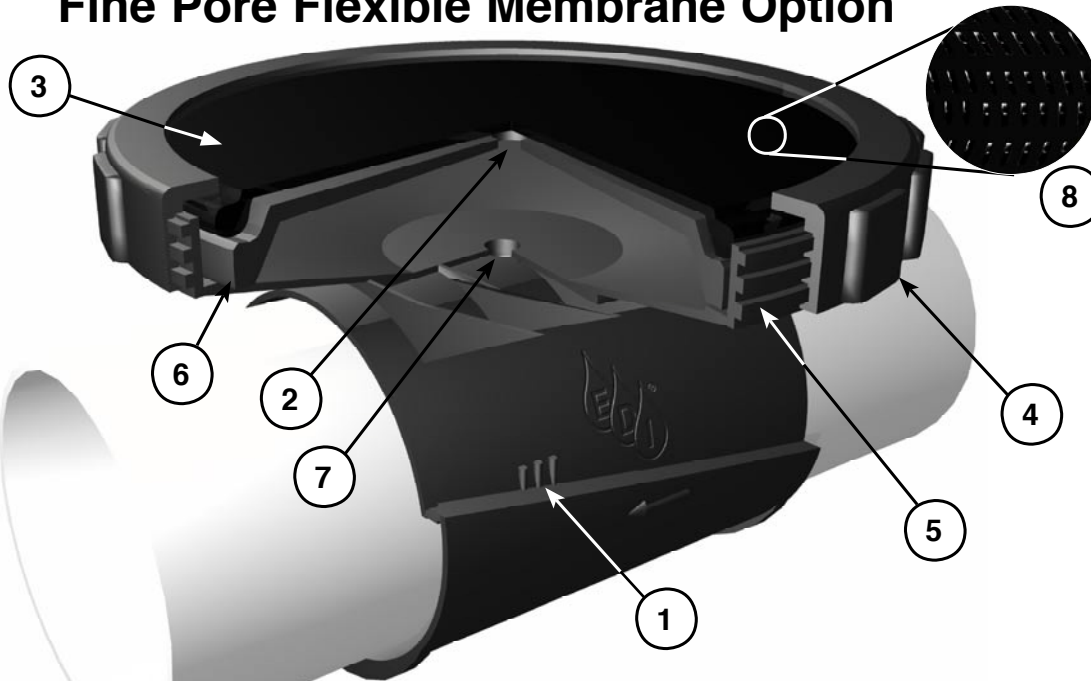
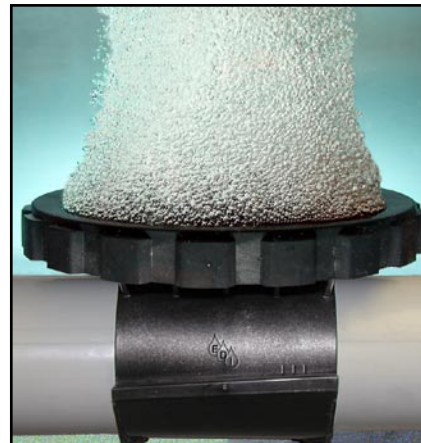


# EDI FlexAir™ Disc

## Spectrum™ Saddle Mounted Diffuser Fine Pore Flexible Membrane Option



1. Saddle Mount with KlicLoc™ Retainer
2. Check Valve Feature
3. Flexible Membrane Media
4. Diffuser Ring
5. Diffuser Body
6. Backer Plate
7. Air Inlet Orifice
8. Die Cut Perforations



## FEATURES & BENEFITS

EDI's FlexAir™ Disc diffuser incorporates EDI's advanced technologies for superior aeration performance, flexibility and reliability.

- Precision die cut openings for high oxygen transfer efficiency and performance.
- Advanced technology premium quality membrane material available in EPDM, special polymer blends or convertible to ceramic as required.
- Ceramic and membrane media options are compatible with other 9-inch disc diffusers
- Active 9-inch (230 mm) diameter.
- Triple check valve design prevents entry of liquid/solids into piping for on/off operations and maintenance.
- Low maintenance requirements.
- Low operating pressure (DWP).
- Rugged heavy-duty construction – withstands over 700 pounds (318 kg) edge load without failure.
- Glass fiber reinforced polypropylene body, ring and mount available for maximum chemical, temperature and UV resistance.
- Spectrum™ Saddle Mount provides ease of installation.
- KlicLoc™ retainer for positive mechanical mount.
- 3-inch and 4-inch IPS pipe as well as 90-mm and 110-mm diameter metric pipe for maximum system design efficiency.
- Fits any pipe material (PVC, SS, CPVC, etc).
- Standard units **IN STOCK** for immediate shipment.



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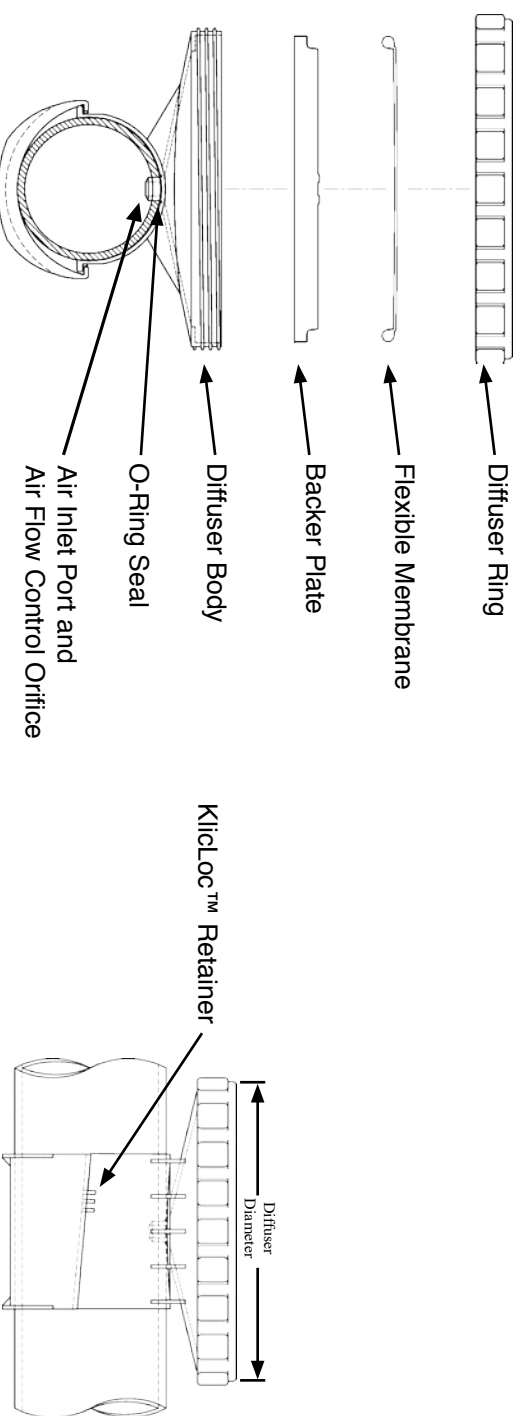
## EDI FlexAir™ Disc Spectrum™ Saddle Mounted Diffuser Fine Pore Flexible Membrane Option

The FlexAir disc diffuser provides unmatched mechanical strength, operating flexibility and oxygen transfer efficiency. The innovative Spectrum Saddle Mount provides maximum mechanical integrity – up to three times the strength of conventional solvent welded mounting systems.

The FlexAir disc diffuser is provided with premium quality membrane materials. EDI's proprietary membrane materials are engineered for superior product life. Multiple membrane perforations are available to optimize the performance of the diffuser for maximum operating efficiency. An integral triple check valve feature prevents the backflow of liquid into the diffuser and piping. The FlexAir disc diffuser is ideally suited for on/off applications and requires minimal maintenance for long-term performance. The EDI FlexAir disc diffuser allows easy conversion to ceramic media as required and all diffusion media options (ceramic and membrane) are compatible with other 9-inch disc diffusers.

The diffuser assembly and Spectrum Saddle Mount is available in glass-fiber reinforced polypropylene for maximum performance. This material option offers greater mechanical and temperature capabilities as conventional PVC or CPVC products. The Spectrum Saddle Mount is compatible with any pipe material and is available in 3 and 4-inch, and 90 and 110-mm diameter sizes. This flexibility allows the air conveyance system to be sized to match project objectives.

The Spectrum Saddle Mount features an air inlet port that inserts into pipe and the KlickLoc™ retainer positively locks the assembly to the lateral piping. Once installed, the assembly can withstand an external perimeter load in excess of 700 pounds (318 kgs) without failure.



Model	Peak Airflow		Design Airflow		Design DWP*		Diffuser Diameter		Active Surface Area		Dry Weight		Net Operating Buoyancy**	
	scfm	sm <sup>3</sup> /hr	scfm	sm <sup>3</sup> /hr	In H <sub>2</sub> O	kPa	in	mm	ft <sup>2</sup>	cm <sup>2</sup>	lb	kg	lb	kg
Standard Capacity	7.0	11.9	0.5-5.0	0.8-8.5	8.0-12.0	2.0-3.0	10.9	277.0	0.4	380.9	2.6	1.2	+3.14	+1.42
High Capacity	11.0	18.7	1.0-8.0	1.7-13.6	4.5-11.0	1.1-2.7	10.9	277.0	0.4	380.9	2.6	1.2	+3.14	+1.42

\*DWP includes air inlet orifice.

\*\*Buoyancy: +Indicates Up, - Indicates Down