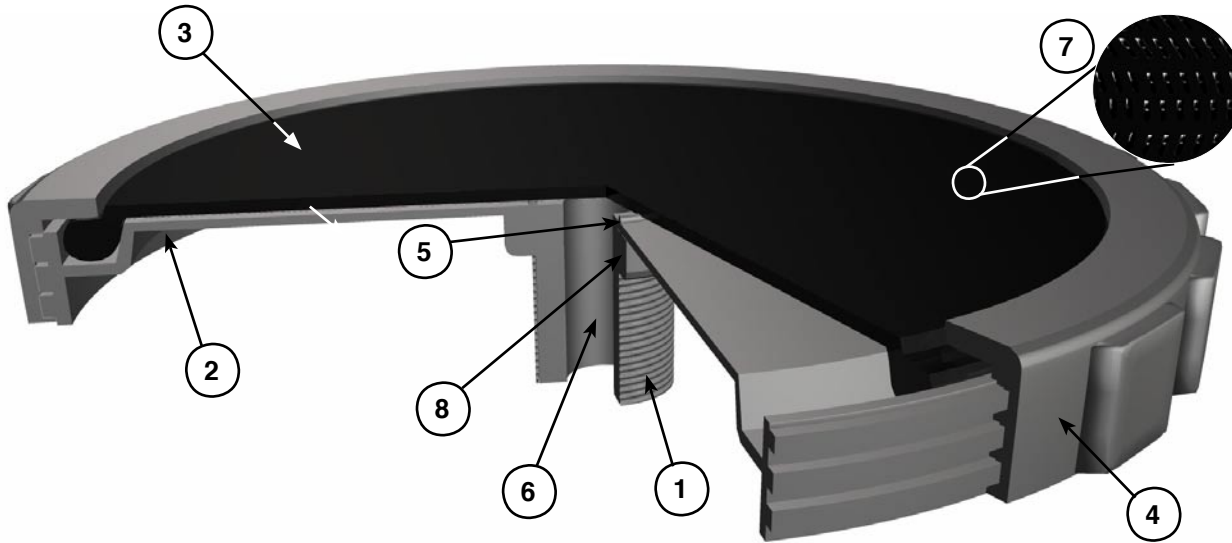


# EDI FlexAir™ Disc

## Fine Bubble Diffuser Unit



1. Threaded Connector 3/4 inch NPT (Male) Inlet
2. Glass Filled Polypropylene Diffuser Body
3. Premium Quality Membrane  
EPDM or Specialty Polymers
4. Glass Filled Polypropylene Retainer Ring
5. Check Valve Feature
6. Air Inlet Orifice Assembly
7. Concentric Membrane Perforations
8. Hex Headed Shank



### FEATURES & BENEFITS

EDI's FlexAir™ Disc diffuser unit incorporates EDI advanced aeration technology to deliver superior aeration performance, with maximum flexibility and reliability.

- Micro bubble openings for maximum efficiency
- Maximum oxygen transfer efficiency
- Advanced technology premium quality membranes of EPDM, urethane, or other specialty polymers
- Available in 7 inch or 9 inch Diameter
- Economical capital cost
- Rugged heavy duty construction
- Integral check valve to prevent entry of liquid/solids into piping
- Low maintenance
- Glass filled polypropylene base and ring for maximum corrosion resistant
- UV protection
- Wide thermal capability range
- Ease of installation
- Low operating pressure (DWP)
- Multiple mounting arrangements for maximum system flexibility
- Units **IN STOCK** for immediate shipment



**Environmental Dynamics Inc.**

5601 Paris Road  
Columbia, MO 65202 USA

PH. 573-474-9456

FAX 573-474-6988

sales@DiffuserExpress.com

www.DiffuserExpress.com

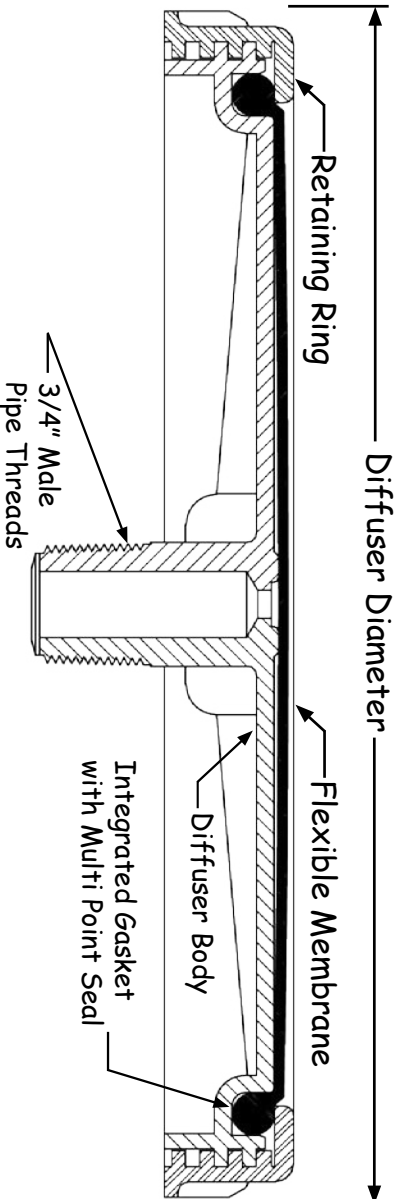
## EDI FLEXAIR™ DISC DIFFUSER UNITS PRODUCT SPECIFICATION SHEET

EDI FlexAir Disc diffusers are fine pore, flexible membrane diffusers that provide operational flexibility with maximum oxygen transfer efficiency.

FlexAir Disc units are configured with premium quality EPDM membranes perforated for optimum oxygen transfer. Alternate membrane materials and perforation patterns are available for non-standard industrial or municipal applications. Disc Diffusers are constructed of glass filled polypropylene and suitable for deep tank (high temperature) applications. Alternate perforation patterns are available to optimize system performance.

The FlexAir Disc diffuser units may be operated over a wide range of airflows with minimum maintenance for long-term performance. The external triple check valve assembly prevents intrusion of liquid or solids into the diffuser or air piping under normal on/off operating conditions.

Both the 7 inch diameter (229 mm) and 9 inch diameter (267 mm) units employ a 3/4 inch diameter NPT (male) threaded inlet for ease of installation/maintenance and universal application.



Model	Peak Airflow		Design Airflow		Design DWP		Diffuser Diameter in   mm	Active Surface Area		Dry Weight lbs   kg	
	scfm	sm <sup>3</sup> /hr	scfm	sm <sup>3</sup> /hr	in H <sub>2</sub> O	kPa		ft <sup>2</sup>	cm <sup>2</sup>		
7" Disc Diffuser Std.	4.0	6.8	0.5-2.5	0.8-4.3	8.7-11.2	2.2-2.8	9.0	0.2	221.3	1.2	0.5
7" Disc Diffuser High Cap.	8.0	13.6	1.0-4.0	1.7-6.8	5.0-9.1	1.2-2.3	9.0	0.2	221.3	1.2	0.5
9" Disc Diffuser Std.	7.0	11.9	0.5-5.0	0.8-8.5	8.0-12.0	2.0-3.0	10.9	0.4	380.9	1.5	0.7
9" Disc Diffuser High Cap.	11.0	18.7	1.0-8.0	1.7-13.6	4.5-11.0	1.1-2.7	10.9	0.4	380.9	1.5	0.7