

# FLEX AIR™

ADVANCED MEMBRANE DIFFUSER TECHNOLOGY



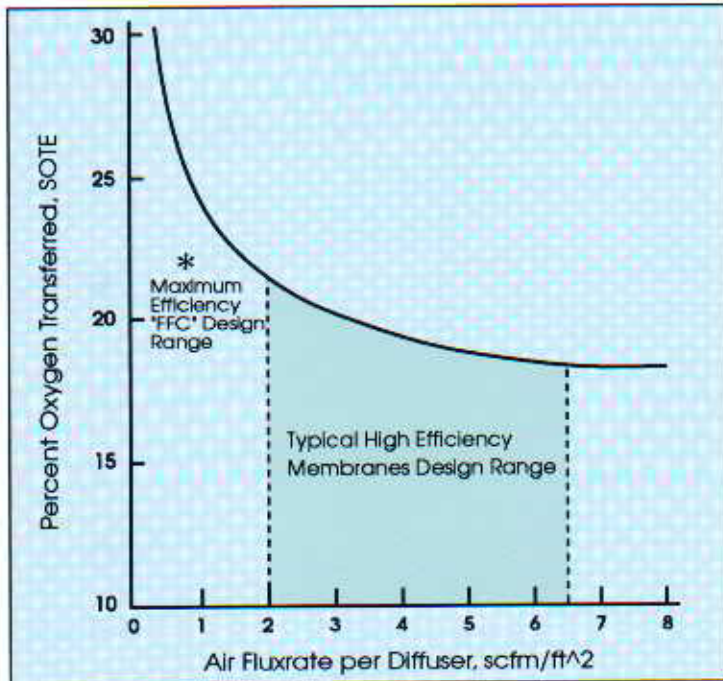
Superior Aeration Mixing Systems Since 1975

# FlexAir™

## Fine Pore Membrane Diffusers Advanced Membrane Technology

EDI recognizes the process and mechanical advantages of engineered membrane diffuser systems. The FlexAir™ system employs state-of-the-art engineering concepts for superior performance. EDI engineered aeration systems provide unique structural capabilities combined with maximum efficiency and maximum design flexibility.

EDI offers complete industrial/municipal design support including process design, full scale testing facilities, and in-house manufacturing facilities. EDI can address your aeration mixing needs from conceptual design through final installation.



Typical SOTE, 10 feet submergence

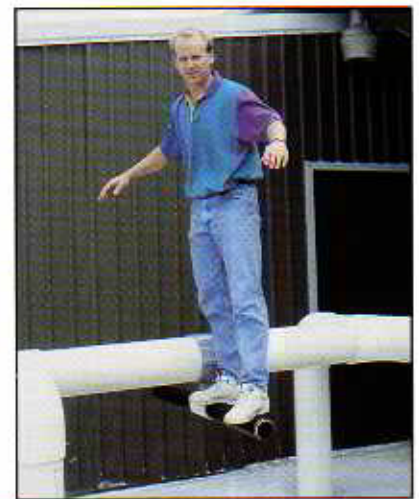
## System Process Features

FlexAir™ diffuser systems employ advanced technology tubular membranes offering a flexibility of process design and installation. The EDI FlexAir™ system has demonstrated excellent performance in aeration applications including:

- Activated Sludge Systems
- Oxidation Ditches
- Aerobic Digester Units
- Aerated Lagoon Systems
- BioMizer™ Advanced Mixing Technology
- Aquaculture Applications
- Reservoir Aeration / De-Stratification
- Intermittant (on/off) Aeration
- Full Floor Coverage (FFC) up to 150% Density

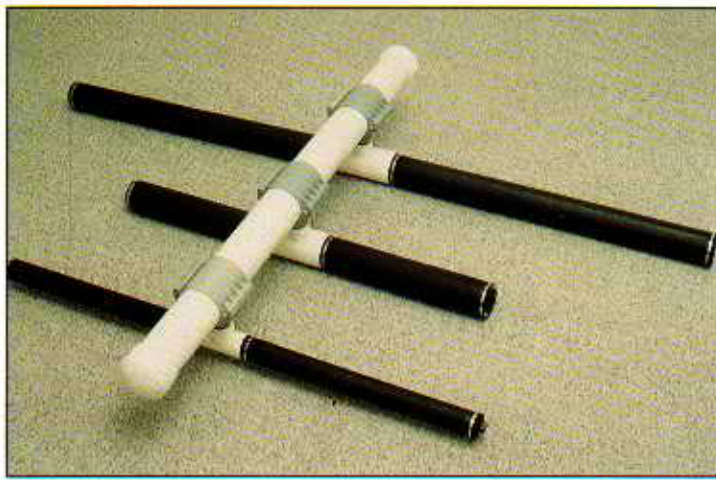
## Mechanical Design Features

- Patented Spectrum™ Saddle Mount; 4,800 in-lbs Structural Strength Reinforces Air Lateral Piping
- Heavy Duty Full Membrane Support
- Factory Assembled Diffusers for Ease of Installation
- Buoyant and Non-buoyant Designs
- System Expansion in the field without special tools
- Individual Diffuser Leveling
- Self purging; No Separate Purge Required
- Compatible with Any Basin Geometry



Maximum Mechanical Integrity

**Any Basin Geometry • State of the Art Mechanical Design**



*Available FlexAir Models*

## Piping Features

- Uses any IPS Pipe; PVC, SS, Galvanized
- Heavy Duty Schedule 40 PVC Pipe
- Minimum Piping for Ease of Installation, Maintenance, and Basin Cleaning
- Engineered Pipe Supports with Leveling and Thermal Expansion Capabilities
- Fixed or Removable Headers
- Floating Lateral Pipe Systems

## Advanced Technology Membranes

- Standard, 1 Meter and 1/2 Meter Magnum™ Diffuser Units
- Advanced Membrane Design; EPDM, Urethane & Specialty Engineered Materials Available
- Engineered Apertures for Maximum Efficiency
- Fouling Resistant Design
- Multiple Backflow Prevention Features
- Engineered Tubular Membrane for Minimum Stress and Maximum Life
- Over 10 year Membrane Operating History



*Retrievable Pipe Mounted System*



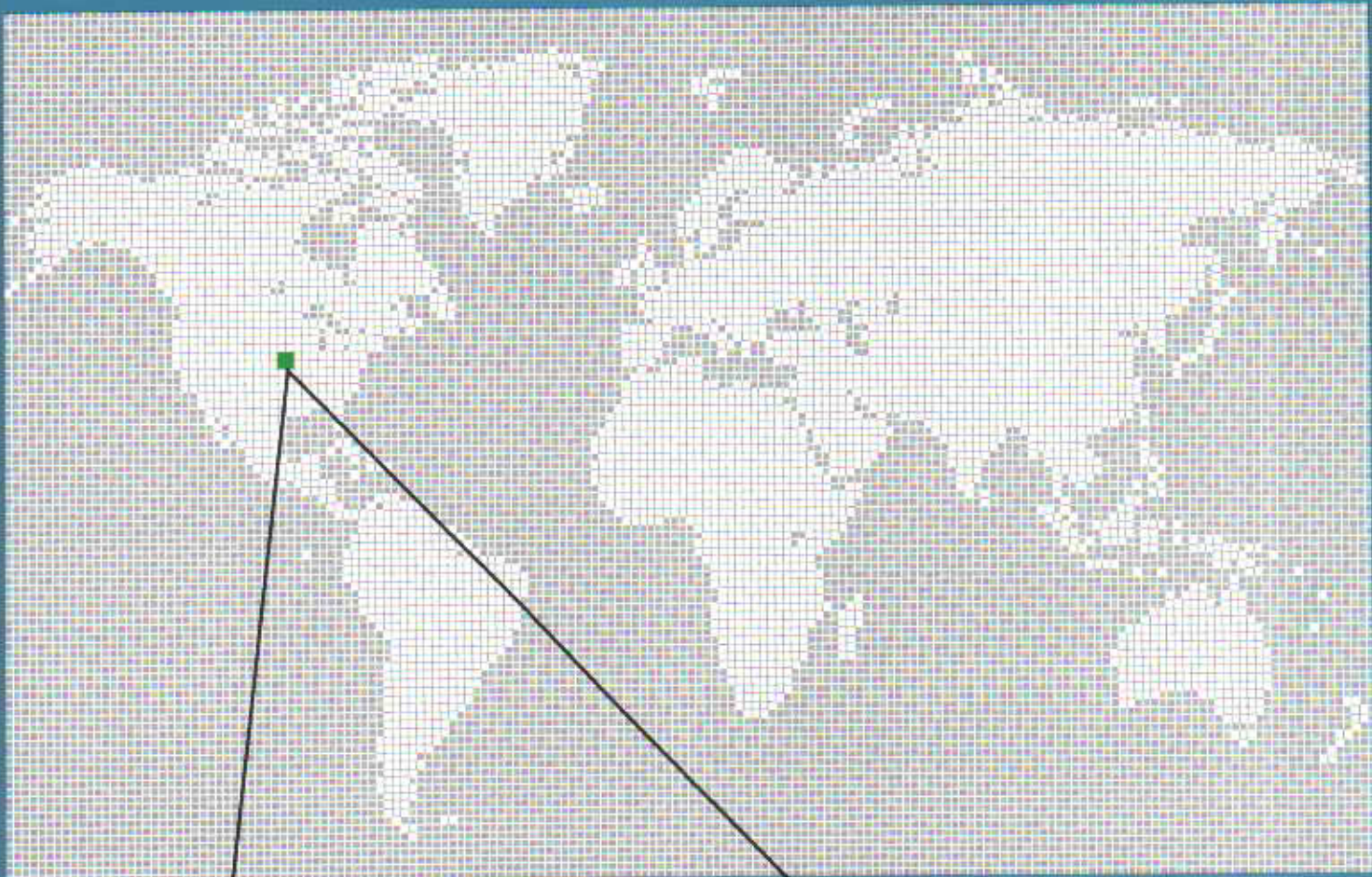
*Floating Lateral System*



*Fixed Pipe Mounted System*



• Economical Installation Costs • Engineered Membranes



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Environmental Systems Since 1975