

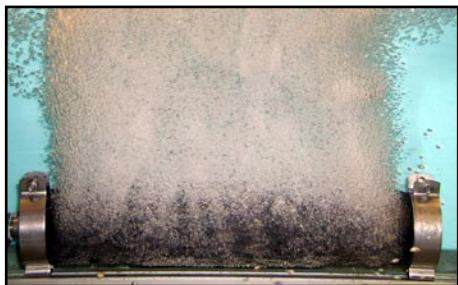
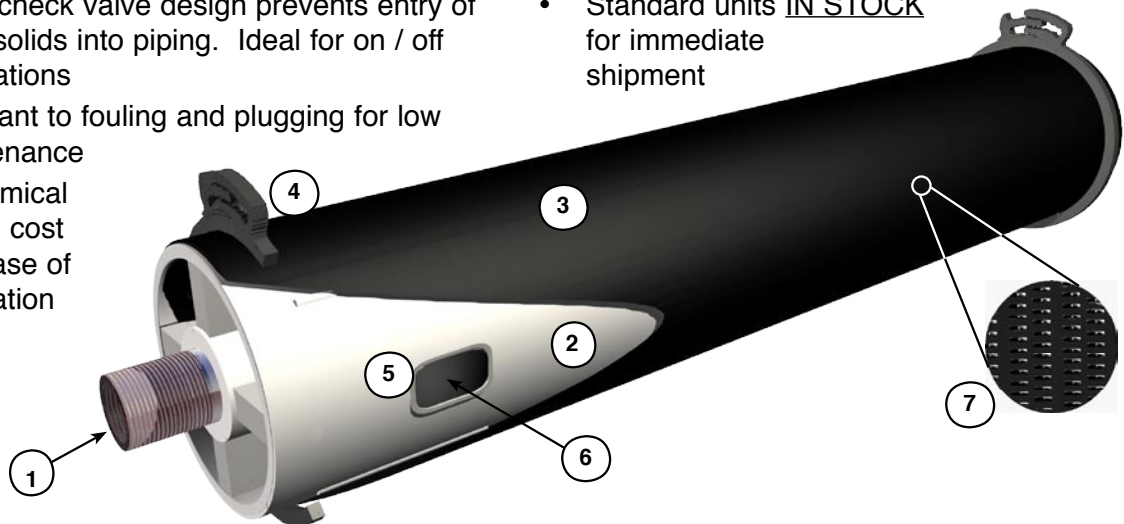
PRODUCT SPECIFICATION SHEET

EDI FlexAir[®] T-Series Tube Diffuser

Fine Pore Flexible Membrane Technology

FlexAir T-Series tube diffuser offers maximum performance at minimum cost.

- Precision die cut openings for high oxygen transfer, uniform air release, and low operating pressure
- High capacity membrane options available for maximum airflow and low operating pressure
- Ideal for coarse bubble diffuser upgrades
- Advanced technology premium quality membrane materials available in EPDM, urethane, or special polymer blends
- Available in 62 and 91-mm diameter up to 1000 mm long tubes
- Triple check valve design prevents entry of liquid/solids into piping. Ideal for on / off applications
- Resistant to fouling and plugging for low maintenance
- Economical capital cost and ease of installation
- ABS and PVC construction for maximum chemical, temperature, and UV resistance
- Rugged heavy duty construction with 3/4-inch stainless steel npt (male) inlet plus special thru-tube inlets also available
- Non-buoyant design for reduced stress on mounting connection
- Mounts on any pipe material (PVC, ABS, CPVC, SS, etc.) or size
- Standard reusable non-metallic membrane retainer clamp. 304 or 316 stainless steel clamps are available
- Standard units IN STOCK for immediate shipment



1. Threaded 3/4 inch NPT (male) Inlet
2. Diffuser Body
3. Flexible Membrane Media
4. Reusable, Non-Metalic Membrane Retainer Clamps
5. Check Valve Feature
6. Air Inlet Oriface
7. Die Cut Perforations



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30
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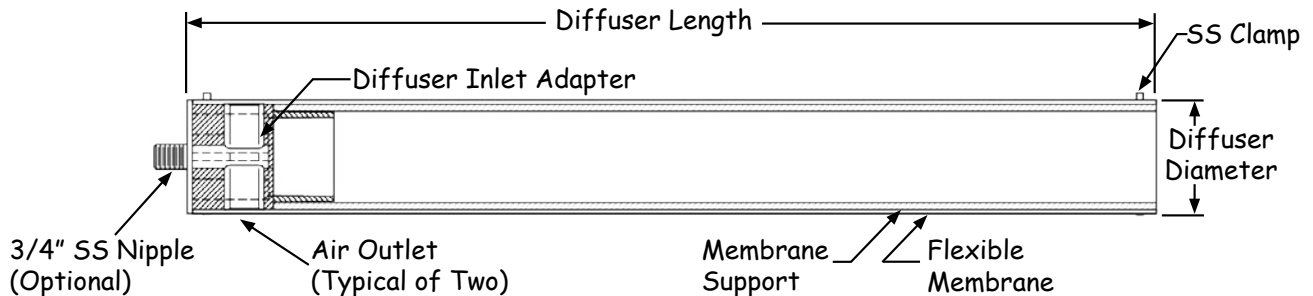
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The EDI FlexAir® T-Series diffuser unit is a fine pore, flexible membrane diffuser capable of providing a high level of oxygen transfer efficiency with maximum operating flexibility.

FlexAir T-Series units are configured with a premium quality EPDM rubber membrane sleeve specifically perforated for high volumetric air handling capacity and headloss efficiency. For industrial and non-standard domestic applications alternate membrane materials including urethane, silicone, and other specialty polymers are available. Alternate perforation patterns are available for energy sensitive applications or where maximum oxygen transfer efficiency is desired. Membranes used on the FlexAir T-Series units are engineered by the EDI Membrane Technologies division.

The FlexAir T-Series diffuser unit may be operated over a wide range of airflows and requires minimum maintenance for long-term performance. The external triple check valve system minimizes the intrusion of water and solids into the diffuser unit and air supply piping under normal operation conditions.

Standard FlexAir T-Series diffusers with 3/4 inch NPT (male), stainless steel nipples are factory assembled and ready for installation. For specialty applications alternate inlet connections are available.



| Model | Peak Airflow* | | Design Airflow* | | Design DWP* | | Active Surface Area | | Diffuser Dimensions | | Dry Weight | |
|-----------|---------------|--------------------|-----------------|--------------------|---------------------|---------------------|---------------------|----------------|---------------------|-----------|------------|------|
| | scfm | m ³ /hr | scfm | m ³ /hr | in H ₂ O | cm H ₂ O | ft ² | m ² | inches D x L | mm D x L | lbs | Kg |
| 62x610 | 14 | 24 | 2-8 | 3-14 | 8-16 | 20-40 | 1.0 | 9.3 | 2.6 x 24 | 66 x 610 | 2.4 | 1.07 |
| 62x650 | 15 | 26 | 2-9 | 3-15 | 8-16 | 20-40 | 1.1 | 10.0 | 2.6 x 26 | 66 x 650 | 2.4 | 1.11 |
| 62x762 | 17 | 29 | 3-10 | 5-17 | 8-16 | 20-40 | 1.3 | 11.8 | 2.6 x 30 | 66 x 762 | 2.9 | 1.32 |
| 62x1003 | 23 | 39 | 3-14 | 5-24 | 8-16 | 20-40 | 1.7 | 15.9 | 2.6 x 39 | 66 x 1003 | 3.8 | 1.72 |
| 91x502 | 22 | 37 | 4-13 | 7-22 | 9-15 | 23-38 | 1.3 | 11.6 | 3.7 x 20 | 95 x 502 | 3.0 | 1.36 |
| 91x762 | 34 | 58 | 7-20 | 12-34 | 9-17 | 23-43 | 2.0 | 18.3 | 3.7 x 30 | 95 x 762 | 4.5 | 2.04 |
| 91x1003** | 44 | 74 | 9-27 | 15-46 | 9-19 | 23-48 | 2.7 | 24.5 | 3.7 x 39 | 95 x 1003 | 5.5 | 2.49 |

*NOTE: Airflow and operating pressure based on diffusers utilizing high capacity membrane.

**NOTE: EDI does not recommend installing the 91-1003 and 62-1003 diffusers without proper support.



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