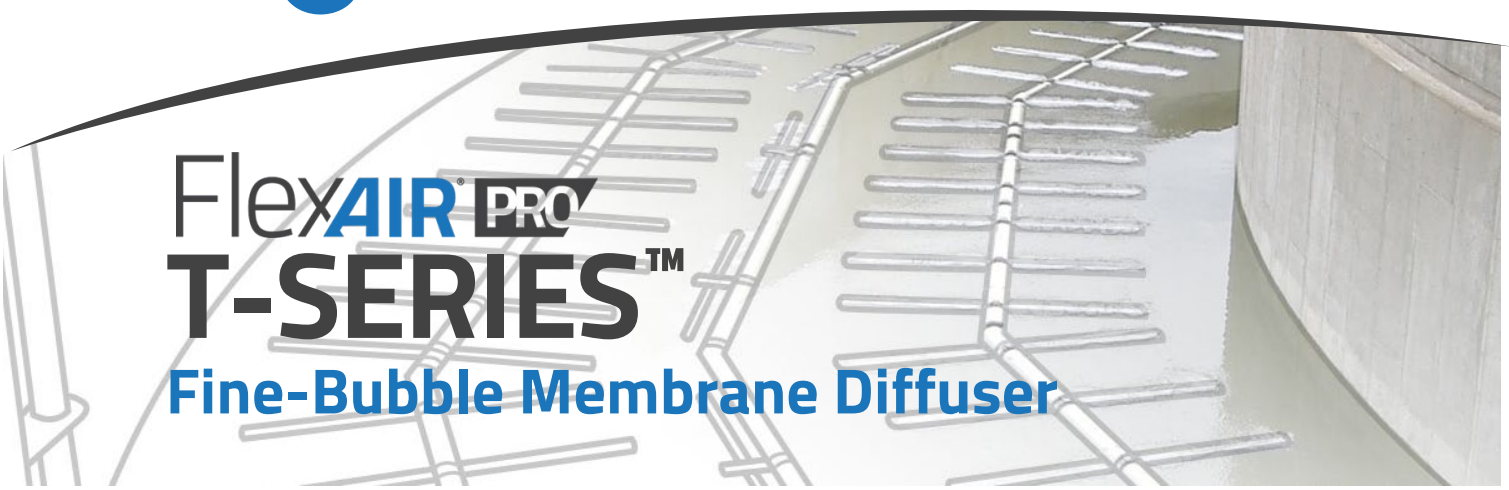
SPECIFICATION



FlexAIR® PRO T-SERIES™

Fine-Bubble Membrane Diffuser

The EDI FlexAir® Pro T-Series Fine Bubble Diffuser offers an NPT (male) stainless steel connection, factory assembled, that is ready for installation. With a full circumferential perforated membrane, it is ideally suited for increased aeration and mixing and typically used on pretreatment, package plants, or sludge digesters for ease of installation and providing good oxygen transfer.

Material Features

- Diameters of 2.5 in (62 mm) and 3.6 in (91 mm) are available in standard lengths ranging from 19.8 (502 mm) to 39.5 in (1003 mm).
- PVC or CPVC support tubes available for additional thermal or chemical resistance.
- Standard ¾” Male NPT made in stainless steel and optional female NPT connection available.
- EDI offers standard EPDM membranes, Polyurethane, HTPU, Matrix Plus, and premium Armor Coat for prolonged service.
- The triple-check valve design prevents liquid or solids from entering the air feed piping without moving parts.
- Multiple perforations available for improved oxygen transfer efficiency and air handling performance.
- Non-buoyant design for reduced uplift and improved temperature resistance

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Model & Perforation	TS2-610 High-Cap	TS2-650 High-Cap	TS2-762 High-Cap	TS2-1003 High-Cap	TS3-502 High-Cap
Typical Airflow (per Tube)	0.5-6.5 scfm 0.8-10.3 m³n/h	0.5-7.0 scfm 0.8-11.1 m³n/h	0.5-8.5 scfm 0.8-13.5 m³n/h	0.5-11.5 scfm 0.8-18.2 m³n/h	0.5-9.0 scfm 0.8-20.6 m³n/h
Maximum Airflow (per Tube)	13.0 scfm 20.6 m³n/h	14.0 scfm 22.2 m³n/h	17.0 scfm 26.9 m³n/h	23.0 scfm 36.4 m³n/h	18.0 scfm 28.5 m³n/h
Overall Length (per Tube)	24.0 in 610 mm	25.6 in 650 mm	30.0 in 762 mm	39.5 in 1003 mm	19.8 in 502 mm
Operational Buoyancy	0.63 lb 0.29 kg	0.76 lb 0/35 kg	1.1 lb 0.50 kg	1.9 lb 0.85 kg	0.73 lb 0.33 kg
Dry Weight	3.1 lb 1.4 kg	3.2 lb 1.4 kg	3.4 lb 1.5 kg	3.9 lb 1.8 kg	3.1 lb 1.4 kg
Active Surface Area	1.0 ft² 0.092 m²	1.07 ft² 0.099 m²	1.27 ft² 0.118 m²	1.71 ft² 0.159 m²	1.25 ft² 0.116 m²

NOTES:

- Values listed in the specification chart are per tube, unless noted otherwise.
- Optimum oxygen transfer efficiency is achieved when operating in typical airflow range.
- Operating below the Typical Airflow range will lead to poor uniformity and higher risk of fouling.
- Operating at or above Maximum Airflow for extended periods may lead to reduced SOTE and decreased membrane longevity.

Model & Perforation	TS3-762 High-Cap	TS3-1003 High-Cap
Typical Airflow (per Tube)	0.5-13.0 scfm 0.8-20.6 m³n/h	0.5-17.5 scfm 0.8-27.7 m³n/h
Maximum Airflow (per Tube)	26.0 scfm 41.2 m³n/h	35.0 scfm 55.4 m³n/h
Overall Length (per Tube)	30.0 in 762 mm	39.5 in 1003 mm
Operational Buoyancy	1.2 lb 0.55 kg	1.7 lb 0.76 kg
Dry Weight	4.3 lb 2.0 kg	5.4 lb 2.4 kg
Active Surface Area	1.97 ft² 0.183 m²	2.64 ft² 0.245 m²

Working with EDI is easy:

1 **We walk you through exactly what project info we need.** Call +1 573 474 9456 or visit wastewater.com.

2 **We supply** drawings, specs, best-in-class aeration, support, even install!

3 You rest easy, knowing your plant has ***Aeration for life®***