



PRO-Equipment, Inc.

237 Wisconsin Ave., Waukesha, WI 53186

Tel: 1-262-513-8801 Fax: 1-262-513-8897

www.proequipment.com

NAFAD

DIFFUSERS

and PARTS

High Transfer Efficiency,



**ROTO
BUBBLE**

MEMBRANE

FINE BUBBLE



Low Boregency



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NAFAD

DIFFUSERS and PARTS

**Economical! Energy Saving!
High Efficiency!**

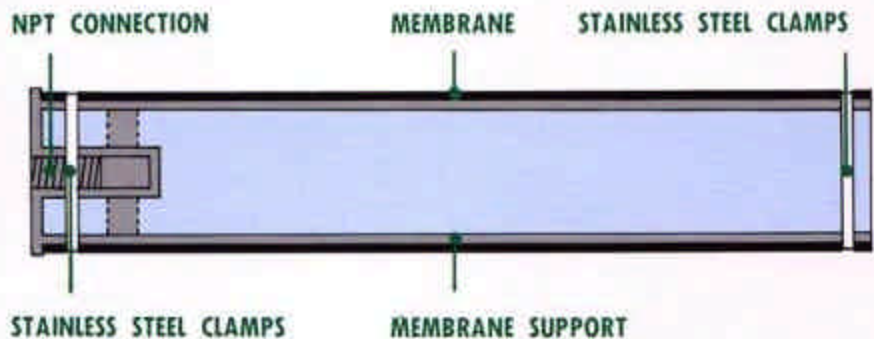
Your Best Choice

Fine bubble diffusers are mostly used in water re-oxygenation and biological wastewater treatment systems. Particularly, the membrane type fine bubble diffusers are popular because of their low maintenance, non-clogging, and high oxygen transfer efficiency. The fine bubble membranes are slit (1-2 mm) with pattern in order to maximize their performance. Diffusers

are then assembled with a membrane, support (tubular/ disc), and appropriate connection joint. When a membrane is under air (gas) pressure from the blowers, the slits open to release

the air (gas) forming fine bubbles in 1-3 mm in diameter.

These fine bubbles transfer oxygen into water via their tremendous surface area. When the air (gas) pressure disappears, the elastic characteristic of membrane closes the slits preventing liquid contents flow back into the air (gas) headers.



APPLICATIONS

- ACTIVATED SLUDGE PROCESSES
- OXIDATION DITCHES
- AEROBIC SLUDGE DIGESTERS
- SEQUENCING BATCH REACTORS
- RIVER/RESERVOIR RE-OXYGENATION
- CONTINUOUS/INTERMITTENT AERATION
- MIXING/EQUALIZATION

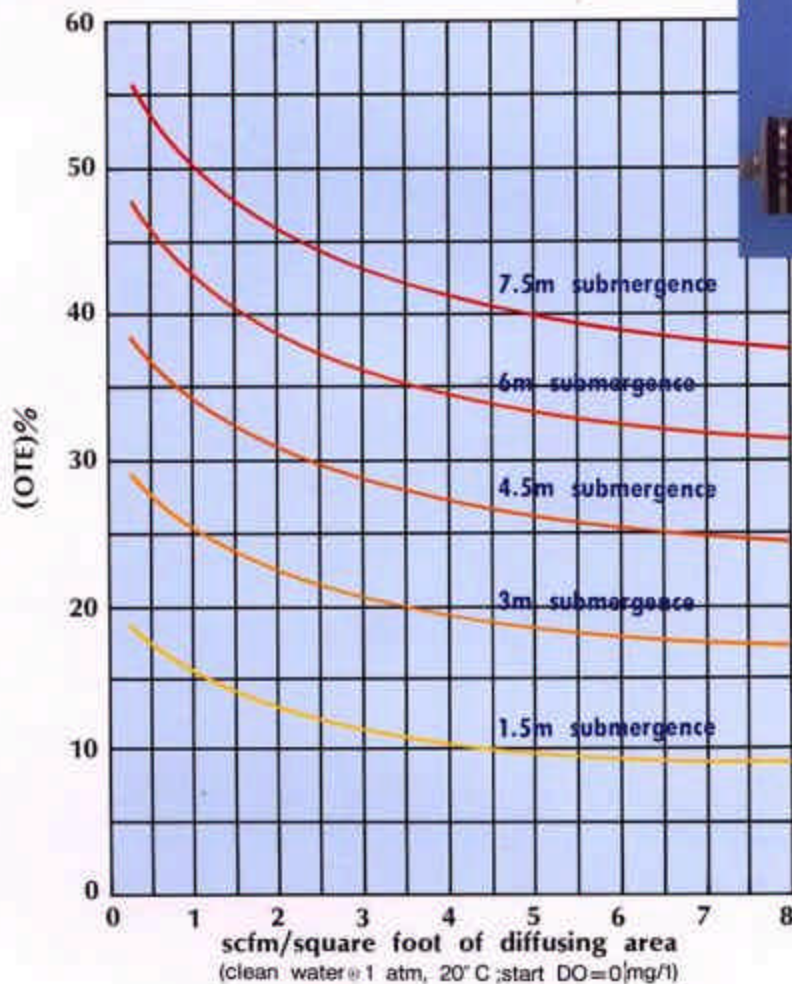


PRODUCT CHARACTERISTICS

- NON-CLOG, EASY INSTALLATION AND MINIMUM MAINTENANCE
- DURABLE SUPPORT FOR LONG LIFE
- VARIOUS MEMBRANE MATERIAL FOR DIFFERENT APPLICATIONS
- HARMONIC VIBRATION PREVENTING DEPOSIT BUILDUP
- FINE BUBBLE FOR HIGH TRANSFER EFFICIENCY



OXYGEN TRANSFER EFFICIENCY (OTE) CURVE



DIMENSIONS AND SELECTIONS

PRODUCT	LENGTH/DIAMETER	SLIT	MATERIAL	NOTE
membrane diffuser manifold SS clamp	1. 2"/3" tubular by 500/750mm long. 2. 7", 9", 10", or 12" djsc.	1mm or 2mm	EPDM VITON OTHER (please specify)	



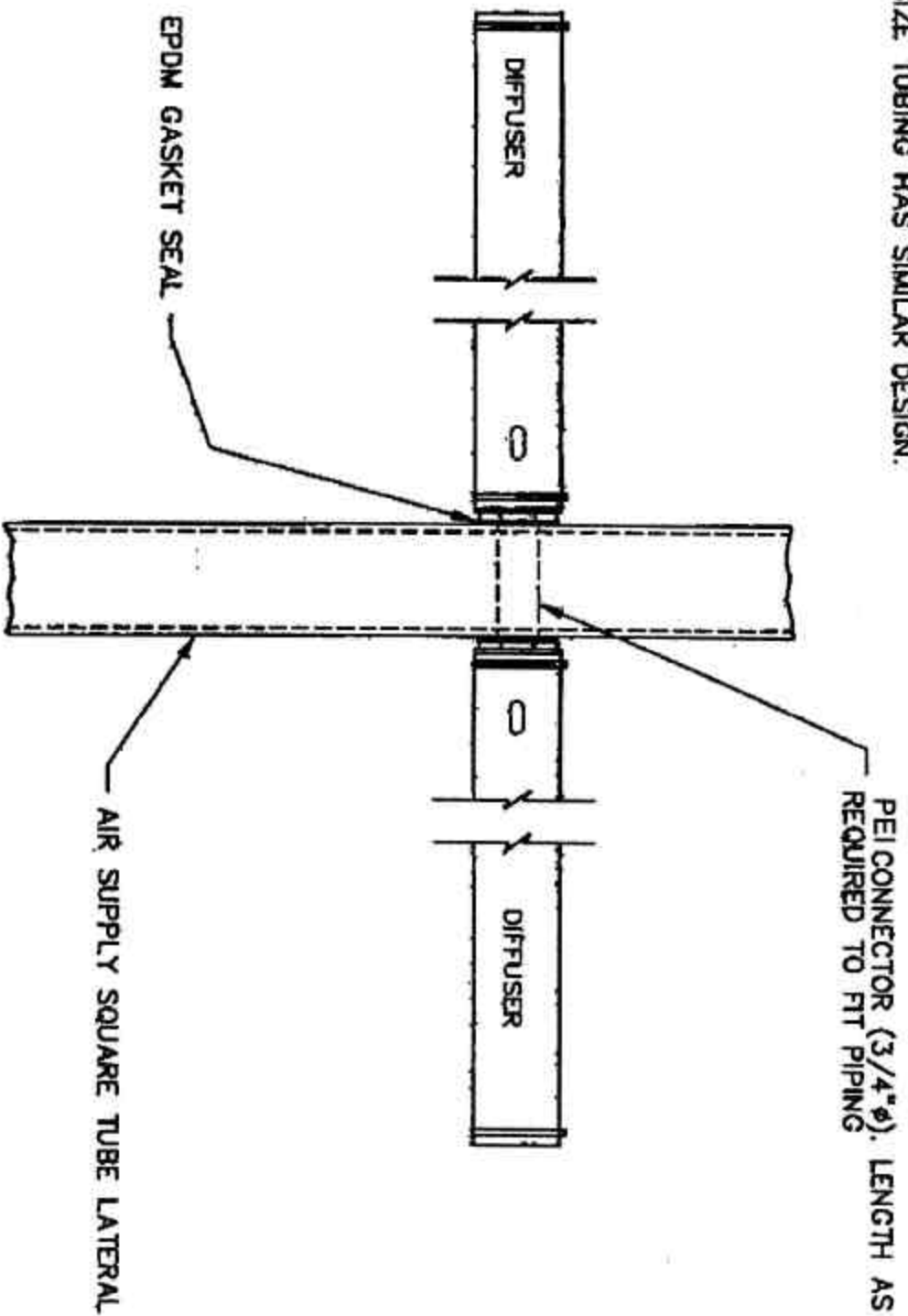
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NOTE: OTHER SIZE TUBING HAS SIMILAR DESIGN.



**SQUARE AIR TUBING MOUNTED
DIFFUSERS**

**Preliminary
For Reference Only**



PRO-EQUIPMENT, INC.

237 WISCONSIN AVENUE
WALKERSVA, VI 53186

ROTOBUBBLE NAFAD Fine Bubble Diffusers

Model NAFAD 1000D-3/2

03-06-01

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