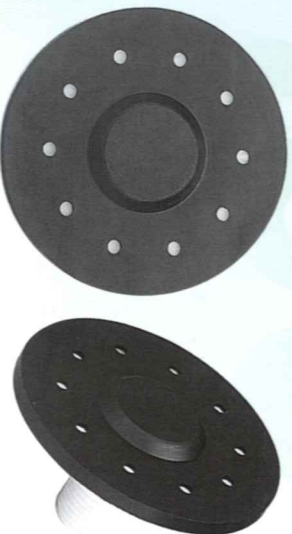
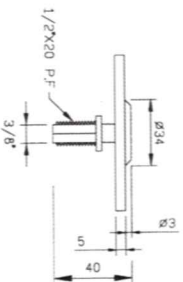
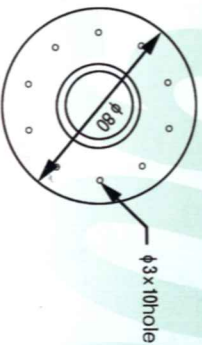


PT 1/2" Diffuser



Diffuser



- Specification:**
- ❖ 4/8" – thread, 3/8" – Air Inlet.
 - ❖ Diameter: 80mm
 - ❖ Height: 40mm
 - ❖ Ventilation Volume: 0.08 ~ 0.10m³/min

Features:

- ❖ Designed for matching with the ready made local 4/8" faucet, easy to install.
- ❖ Tough and durable construction.
- ❖ Higher oxygen dissolution rate and corrosion resistance.
- ❖ Prevent backflow without clogging.

Materials:

- ❖ Diffuser Cover: Neoprene Rubber, resisting against acid and alkali.
- ❖ Diffuser Base: ABS

Full-close Against Backflow

The water pressure and valve is designed in special Resistance: construction. When the air diffusing action stops, such special construction can stop the backflow of dirty water.

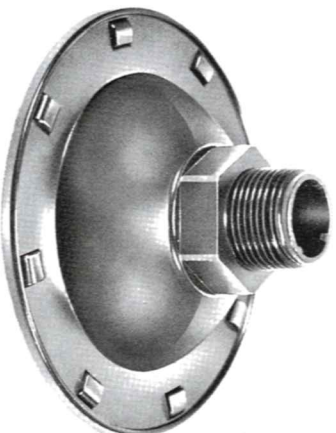
Less Pressure Loss

With the expandable feature of the valve body, the air inject outlet can be adjusted along with the increase and decrease of ventilation volume, leading to less pressure loss and fewer abnormal changes.

Pipeline Caliber for Connection

PT 1" thread.

PT 1" Diffuser



High Corrosion Resistance

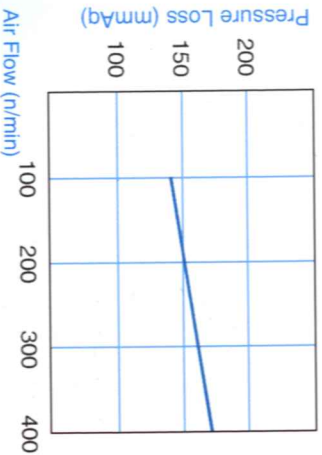
Less Pressure Loss

Superb Corrosion Resistance:

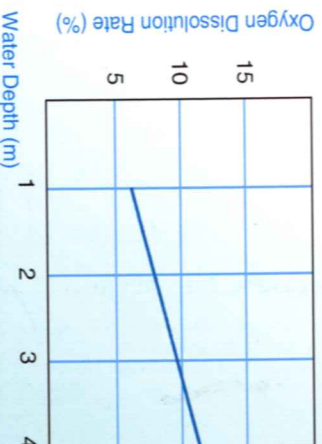
The body is made of high-class ABS compound, which exhibits superb temperature resistance and softening temperature point that cannot be comparable by ordinary ABS plastic material.

The valve body is made of high-class synthetic resin, which exhibits weathering, oil and corrosion resistance as well as lower aging and de-forming features. The lifespan is about 3 times over the ordinary rubber or PVC products.

Relationship between



Water Depth and Oxygen Dissolution Rate



Material

Body Section: ABS resin

Film Section: Thermoplastic synthetic resin

Standard Ventilation Volume: 100/min ~ 450/min

Weight: 130g

Installation Method: Either upward or downward

Connection Method: PT 1" thread

MIC Diffuser



Unique Design:

Special water-stop film design to prevent water from flowing into the air duct under any circumstances.

Superb Function:

Low air consumption (100L/min/pc), low pressure drop value and higher oxygen dissolution efficiency.

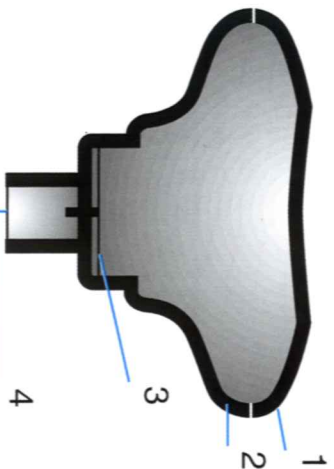
Streamline Configuration:

Round arc configuration can present very smooth water resistance and optimal uniformed air diffusing. It can effectively disturb the ambient fluid to achieve the desired mixing and oxygen conveying effect.

Easy Installation and Durable:

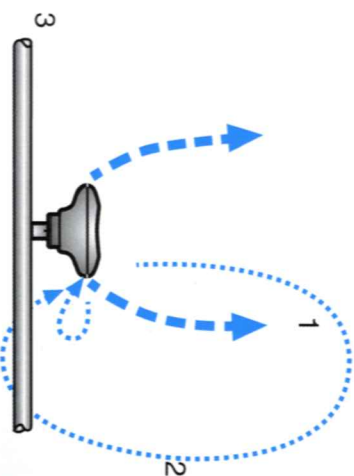
Easier installation and acid/alkali resistant, offering a longer service life.

Section Drawing



1. Air bubble diffusing board
2. Water-stop Diaphragm
3. Diffuser body
4. Air Inlet

Mixing Scheme

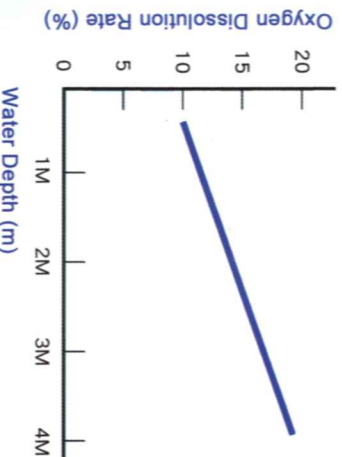


1. Air bubble
2. Circulating current
3. Air duct

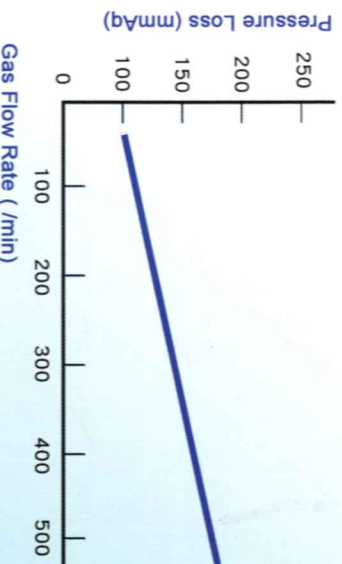
Diffuser/Envi-Bubble Tube

Test Curve

Test Temperature: 20°C



Gas Flow Rate: 300 / min



Purpose

Air diffusing and mixing for waste water mixing tank, neutralization tank, chelating tank, concentration tank, aeration tank, and other applications

Specification

- ◆ Material: Body ABS resin
- ◆ Connection Method: 6/8" threaded casing
- ◆ Ideal Installation Interval: 60-100cm/pc
- ◆ Installation Method: Upward or downward

DISC Type Diffuser

Structure

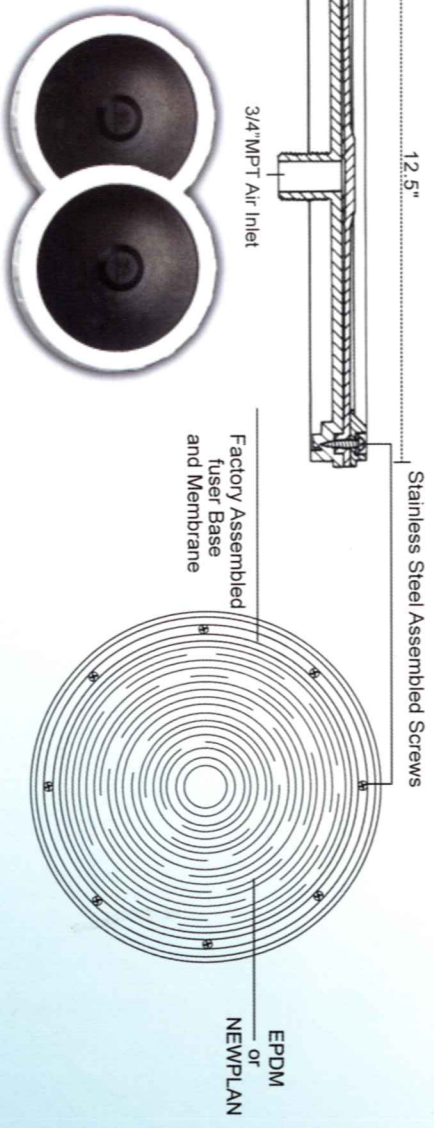
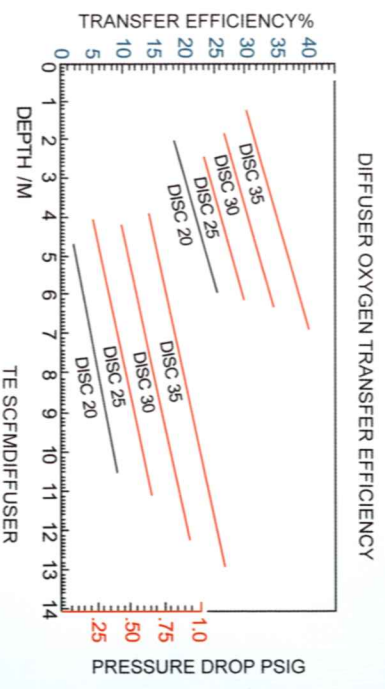
- Membrane: Adopted the EPDM-NEWPLAN to melt. It can restrain the ageing effectively of the membrane, and protract the using life.
- Spreading hole: Adopted the ^ shaped for perforating to prevent adverse of waste water effectively and the bubble would be less than 0.3mm during aeration.
- Base: Adopted the NYLON=A.B.S. Produced by hard plastics. It could prevent it out of shape.

Advantage

- High oxygen transfer efficiency
- Easy installation
- Low pressure loss
- Intermittent operation capability
- High resistance to corrosion
- Water-stirring effect.
- Self cleaning operation
- Low flow to operation.
- Back flow prevention

Suitable range

- Place of dealing ith waste water.
- Promote the oxyan in lake and river
- Active the clean water.
- Stable the MLSS.
- Promote the oxygen in lake and river.



Diffuser/Envl-Bubble Tube

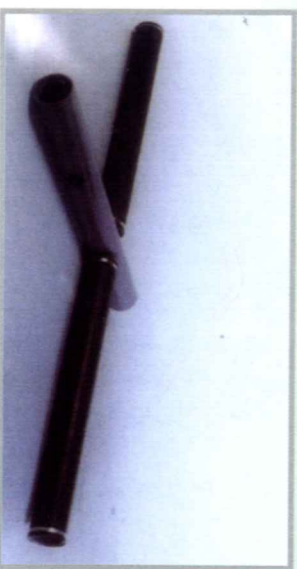
■ Specification

Model	Dimension	Flow range (L/min)	Membrane	Base	Hardware
Disc-200	8" x 2.3"	20~100	EPDM-NEWPLAN	FIBER + A.B.S.	BOLTFIUED
Disc-250	10" x 2.3"	20~150	EPDM-NEWPLAN	FIBER + A.B.S.	BOLTFIUED
Disc-300	12.5" x 2.3"	40~260	EPDM-NEWPLAN	FIBER + A.B.S.	BOLTFIUED
Disc-350	13.5" x 2.3"	40~310	EPDM-NEWPLAN	FIBER + A.B.S.	BOLTFIUED

TUBE Type Diffuser

Structure

- Adopted the EPDM-NEWPLAN to melt. It can restrain the ageing effectively of the membrane, and protract the using life.
- Buoyancy elimination with hollow design.
- Air inlet with modled infection of PVC or ABS.
- Supporting frame with PVC or ABS.
- Identity clamp with membrane by stainless steel #304 or #316.
- Membrane hole with A -shapped or I-shapped slit.



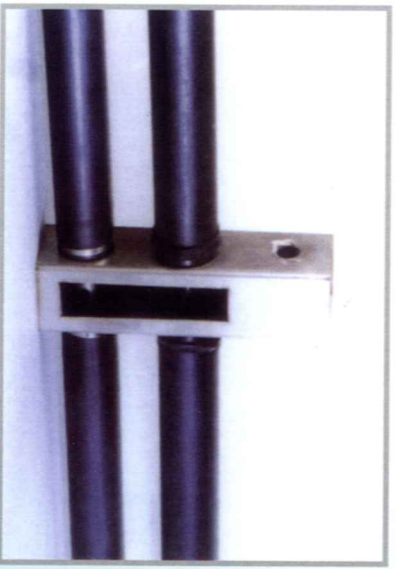
Advantage

- High oxygen transfer efficiency. ■ Easy installation.
- High resistance to clogging. ■ Back flow prevention.
- High resistance to corrosion. ■ Intermittent operation capability.
- Wide air flow range. ■ Buoyancy Eliminated.
- Low pressure loss. ■ High EPDM-NEWPLAN membrane tenacity.
- Low energy cost.



Suitable range

- Municipal wastewater treatment. ■ Wastewater ozone diffusion.
- Industrial wastewater treatment. ■ Aeration of fish ponds.
- Clean water treatment. ■ Aeration of streams and lakes.
- Sludge stabilization.



Diffuser/Envi-Bubble Tube

Specification

Model	Dimension	Flow Range (L/min)	Membrane	Base	Hardware
TUBE-300	12.5" x 2.5" x 3/4" NPT	20~100	EPDM-NEWPLAN	PVC A.B.S.	SUS#304.316
TUBE-600	24" x 2.5" x 3/4" NPT	20~250	EPDM-NEWPLAN	PVC A.B.S.	SUS#304.316
TUBE-700T	28" x 2.5" x 3/4" NPT	40~260	EPDM-NEWPLAN	PVC A.B.S.	SUS#304.316
TUBE-1300T	51" x 2.5" x 3/4" NPT	40~280	EPDM-NEWPLAN	PVC A.B.S.	SUS#304.316
TUBE-1000	39" x 2.5" x 3/4" NPT	40~320	EPDM-NEWPLAN	PVC A.B.S.	SUS#304.316
TUBE-1000-30	12.5" x 3" x 3/4" NPT	20~200	EPDM-NEWPLAN	PVC A.B.S.	SUS#304.316
TUBE-1000-60	24" x 3" x 3/4" NPT	20~300	EPDM-NEWPLAN	PVC A.B.S.	SUS#304.316
TUBE-1000-100	39" x 3" x 3/4" NPT	20~380	EPDM-NEWPLAN	PVC A.B.S.	SUS#304.316