

FINE BUBBLE DISC DIFFUSER- *LONGTECH*

Specifications :

• Product Name	: LTD 270
• Membrane Material	: EPDM
• Body Material	: PP
• Membrane Dia.	(Polypropylene)
• Disc Dia.	: 228 mm.
• Diffuser height	: 265 mm.
• Airflow range	: 60 mm.
• Bubble size	: 1.0 ~ 9.0 m ³ /hr.
• Floor Coverage	: 1~3 mm.
• Aeration area	: 5 ~ 25%.
• Diffuser weight	: 0.0375 m ² .
• Operation Temp.	: 0.7 kgs.

Applications :

- Aeration for Municipal Wastewater Treatment plants when processing Activated Sludge treatment, Contact Oxidization treatment methods.
- Aeration for aerobic processes such as Denitrifying Phosphorous Removal.
- Aeration for excreta and livestock wastewater treatment plants.
- Aeration for deep aeration pool.
- Aeration for high concentration wastewater aeration pool, and for regulation pool of the wastewater treatment plant.
- For pure oxygen aeration.
- Grow-out ponds for Aquaculture aeration such as fish and seaweed.
- Air agitation in food processing.

Product Features :

1. Ultra high OTE ratio.

Over 6300 of perfect round bubbles are generated from pores on the EPDM membrane. The strong constructed round bubbles keep their shape in sizes of 1~3 mm, which thoroughly deliver oxygen to fuse into wastewater from pool bottom to the top of it, high amount of oxygen can be therefore transferred into the water.

2. Ultra Low Headloss.

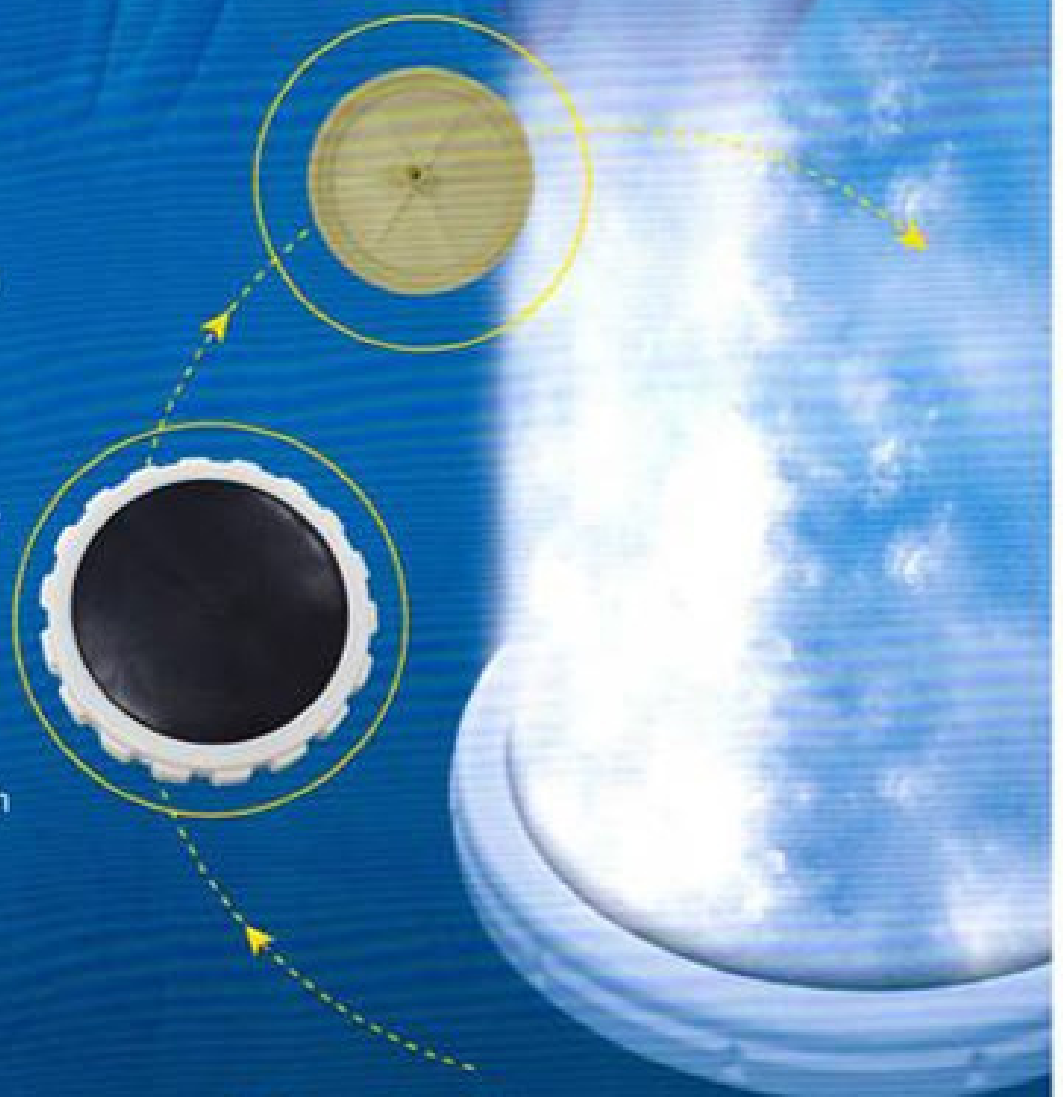
The over 6300 pores are uniformly arrayed in spiral sequence, this results in a very low headloss performance.

3. Energy Cost Effect.

At same oxygen demand, owing the high OTE rate and low headloss, the power of the air blower can be reduced, the operation energy can be hugely reduced.

4. Outstanding Lifespan.

The special selected EPDM membrane has excellent features of Tensile Strength, Elongation, Tear Strength and Chemical/Temperature Resistance, and specialized forming processes are utilized to guaranty the uniform thickness and structure of the membrane, which can provide longest lifespan.

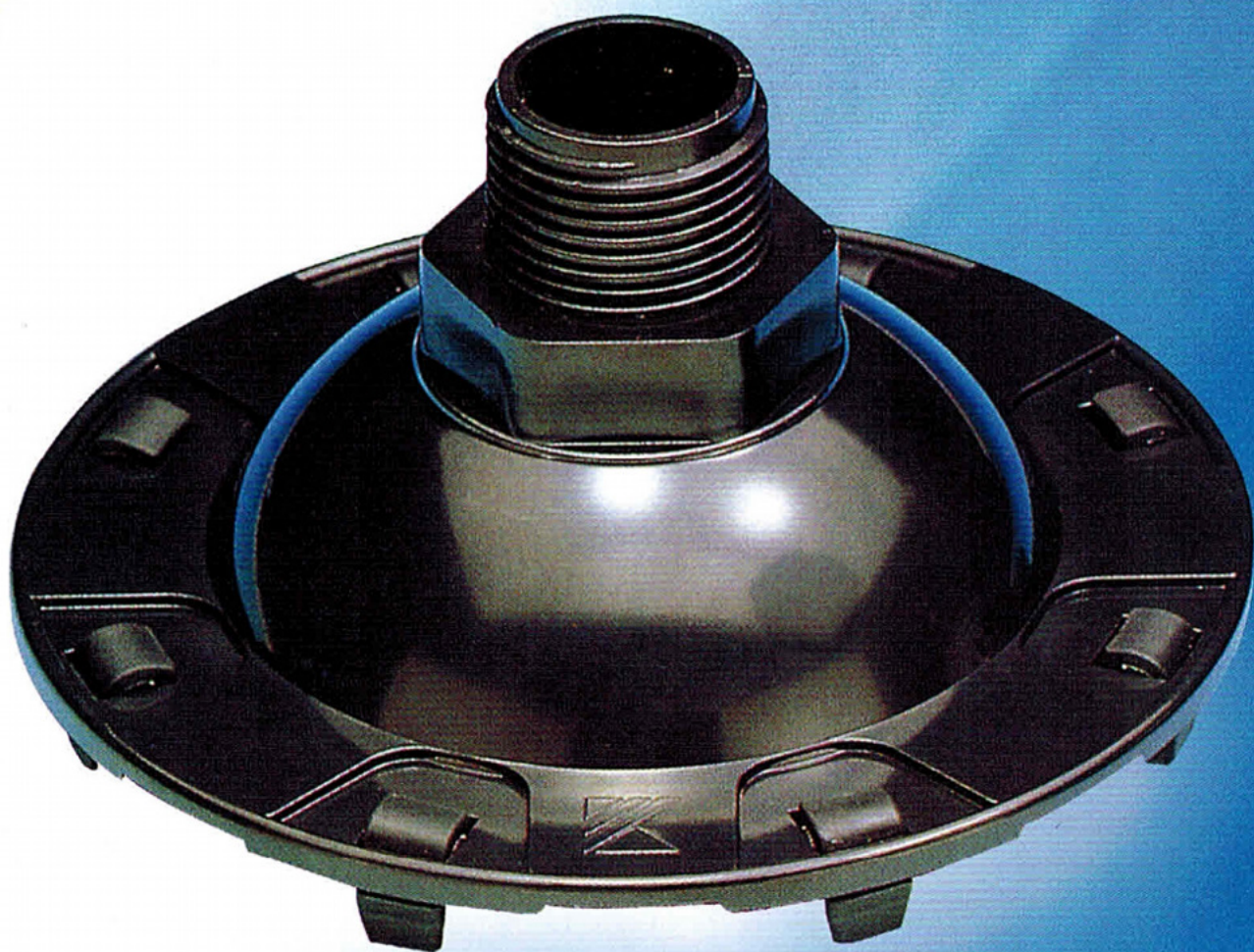


超級散氣裝置

H a r d e n d u r i n g

DIFFUSER

粗氣泡散氣盤LTD-144



特 長

▶ 配管的接頭 PT1/2螺牙

▶ 完全不逆流

依據水壓及材質的特性構造而成的,若散氣中止時,完全不會逆流。

▶ 相當出色的耐蝕性

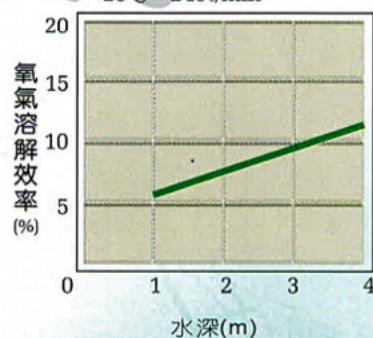
因本體是ABS製品,他體則採耐熱,可塑性強又有彈性的材質,使用不論耐候性,耐氧性,耐油性都很強,較一般橡膠耐用強三倍以上。

▶ 減少壓力的損失

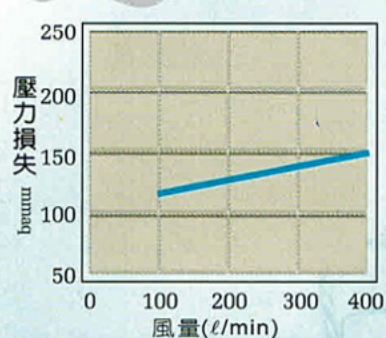
因他體具有彈性出風口,能對應通風量而有變化,因此可減少壓力,不易變形。

水深與氧氣溶解效率

20°C 240ℓ/min



風量與壓力損失的關係



LONGTECH
龍氏鼓風機專業製造廠

高耐蝕性、壓力損失低的散氣盤

E N V I R O N M E N T A L P R O T E C T I O N