

THOMPSON

Electric Industries INC

CATALOG

MICROPORE BUBBLE AERATION HOSE



www.thompsonelectricindustries.com

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PRODUCT INTRODUCTION

Aeration hose is an advanced aeration device designed for high-efficiency gas transfer. The device offers several advantages: small aeration bubble diameter, small gas-liquid interface diameter, and a large gas-liquid boundary area. It ensures uniform bubble diffusion, prevents pore blockage, and features strong corrosion resistance.

Reliable Performance & Strong Practicability

This equipment has been rigorously tested for oxygenation in both clean water and wastewater by specialized engineering institutes. It is highly suitable for the construction and expansion of municipal sewage systems, large-scale industrial factories, and the retrofitting of existing aeration tanks.

Product Display



Red aeration tube



Blue double line



Self sinking pipe



Blue single line



Thompson aeration plate



Aeration plate

Spare Parts



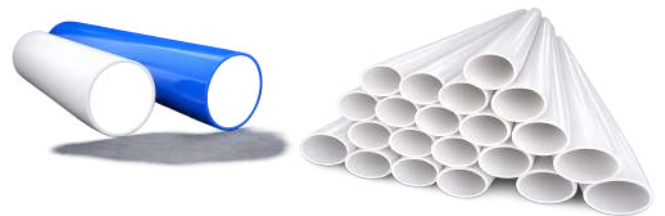
T connector + On-off switch



T connector



+ connector + On - off switch



PVC Pipes

Product Material



PVC: an initiator of vinyl chloride monomer (VCM) in peroxide, azo compound, etc. It's the world's largest production of general plastic, is widely used.



Rubber: a high elastic polymer material with reversible deformation, which can be restored to its original state after removing the external force.

Product Advantages



1. Acid-resistant, rot-resistant, high-resistance.
2. Thin walls, direct road, large low-level exposure and thinning, axillary, narrow-sleeved, and bottom-resolved aeration-like relief.
3. The oxygen utilization rate is high, the selling price is lower than that of other aerators, and the performance-price ratio is high.
4. There are air holes on the circumferential surface of the hose, which can aerate and generate medium and micro bubbles in the water, with slow rising speed, uniform air distribution and high oxygen utilization rate.
5. Easy assembly and low installation flatness requirement.
6. Hose air hole density is large and air distribution is uniform.

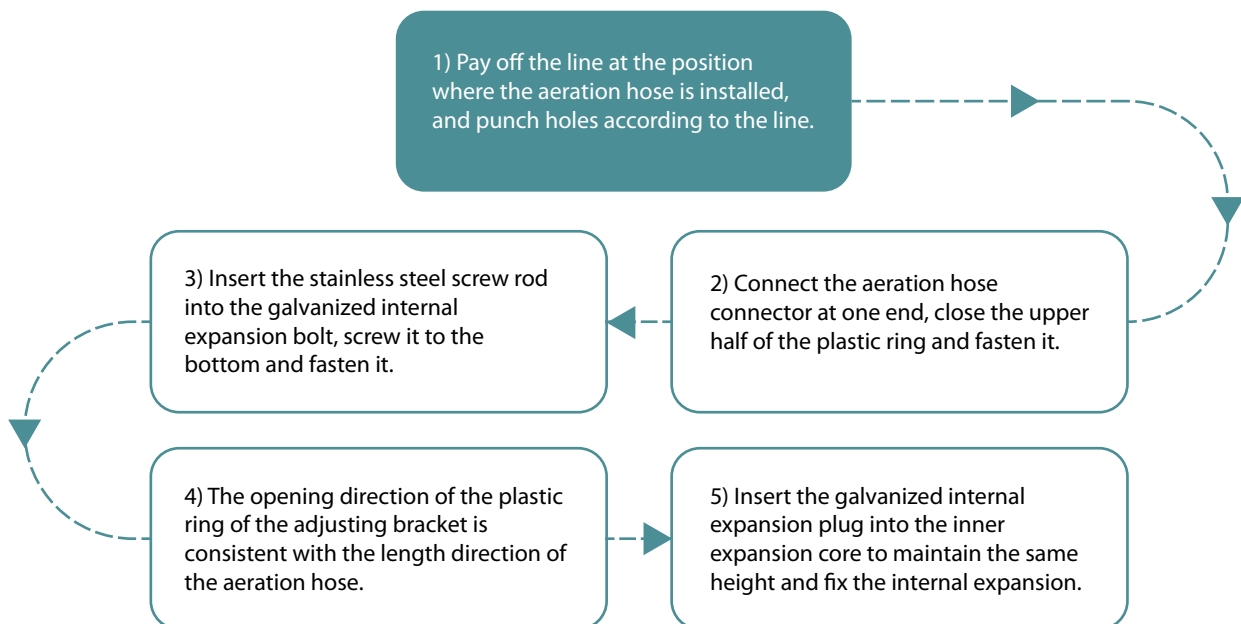
Specification Parameters

Micropore Aeration Hose	Item	OD/mm	Thickness (mm)	ID (mm)
	D10-1.5	10	1.5	7
	D14-2.5	14	2.5	9
	D16-3.0	16	3	10
	D18-3.5	18	3.5	11
	D20-3.5	20	3.5	13
	D25-4.0	25	4	17
	D25-6.0	25	6	13
	D25-7.0	25	7	11
	D28-4.0	28	4	20

Scope of Application

- 01**
Petrochemical, textile, food, paper making, printing and dyeing, brewing, pharmaceutical, leather making and other industrial wastewater and urban domestic wastewater biochemical treatment projects.
- 02**
When the efficiency of the operated aerator is low or the blockage is frequent, the variable hole aeration hose can be used for modification to improve the aeration capacity and the stirring effect.
- 03**
Can be used for pre-aeration of sewage conditioning tank to prevent deposition of large particles of sediment and to remove some organic matters.
- 04**
Circulating water for aquaculture, high-density aquaculture systems and ordinary fish ponds for oxygen enrichment.

Installation Steps



Installation Precautions

01.

The internal expansion bolt hole shall not be too deep to strictly prevent dust from entering, otherwise it will directly affect the installation of stainless steel screw rod.

02.

The pipeline must be thoroughly purged, the aeration hose must not be twisted, and must be leveled and straightened.

03.

When the plastic ring is tightened, strict attention must be paid not to misplace it, otherwise it is easy to generate acute angles, which may cause abrasion to the aeration hose.

04.

After the installation is completed, drain the water. The water surface should submerge the aeration hose by more than 300mm, and check whether the aeration is uniform and whether the connector leaks air.

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