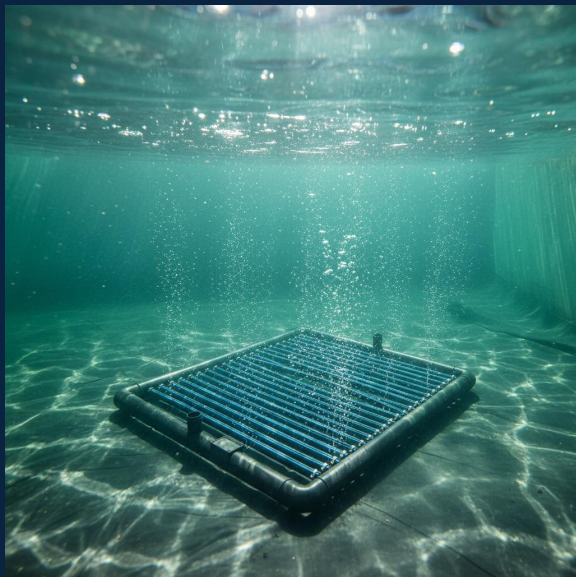


Jiangyin Zhongxin Machinery Equipment Co., Ltd

Professional Aquaculture Aeration System Solutions



AQUACULTURE AERATION SYSTEM

Professional Manufacturer

Microporous Aeration Tubes | Aeration Trays & Discs | Aeration Accessories

Energy-Efficient · Durable & Reliable · Freshwater & Seawater Compatible

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Microporous Aeration Tube

Microporous Aeration Tube Series

Core Specifications

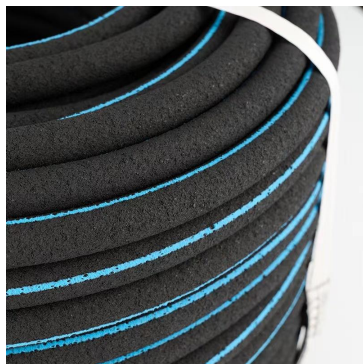
- Micropore Density: 1,000–1,600 pores/m
- Bubble Diameter: Freshwater 0.3–2 mm | Seawater 0.5–3 mm
- Effective Aeration Rate: 0.002–0.006 m³/(min·m)
- Air Flow Rate: 0.1–0.4 m³/(h·m) | Service Area: 1–8 m²/m

Matched Power
1 kW ≥ 100 m

Optimal Setup
1 kW / 100–150 m

Power Consumption
Only 0.15 kW / Mu

Dissolved Oxygen
≥ 5.5 mg/L



Product Features

- High-grade rubber, thermal extrusion molding, uniform pores, high aeration efficiency
- Ultra-fine bubbles with high oxygen transfer efficiency, substantially saving energy
- Acid, alkali and corrosion resistant; suitable for freshwater and seawater ponds
- Easy installation, low maintenance costs, and exceptionally long service life

Application Scenarios

- Pond Aquaculture | Recirculating Aquaculture (RAS) | Intensive Farming
- Shrimp Farming | Hatchery & Nursery Breeding | Factory Aquaculture

** Bubble diameter varies slightly with water viscosity and depth.*

Zhongxinhe | Thermal Rubber Extrusion Process

Band Tightening + Transparent Protective Film Packaging



Aeration Tubes & Discs

Aeration Tubes & Discs Specifications

Standard Aeration Tube Specifications

ID × OD	Package	Density (Mesh)	Weight	Volume
10 × 16 mm	200 m/Roll	High 60 / Low 40	19 kg	0.09 m³
10 × 20 mm	100 m/Roll	High 60 / Low 40	19.5 kg	0.09 m³
10 × 25 mm	100 m/Roll	High 60 / Low 40	30 kg	0.10 m³
12 × 25 mm	100 m/Roll	High 60 / Low 40	28 kg	0.10 m³
16 × 25 mm	100 m/Roll	High 60 / Low 40	23 kg	0.09 m³
20 × 28 mm	100 m/Roll	High 60 / Low 40	20 kg	0.10 m³

Product Highlights

- Aeration trays achieve optimal efficiency paired with 10×16 mm blue-stripe tube.
- 12×25 mm tube is especially recommended for acid/alkali corrosive water bodies.
- Larger tray diameter provides greater service area; custom sizes readily available.

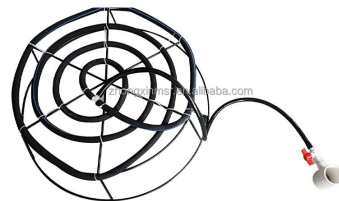
Aeration Tray / Disc Specs — Custom Sizes Available

- Large Size: Top Dia. 70 cm | Base Dia. 80 cm | Height 16 cm
- Small Size: Top Dia. 50 cm | Base Dia. 60 cm | Height 16 cm
- Self-sinking design: Sinks directly to pond bed without counterweight.
- Includes 10 mm tee connector; connect with hose and main air valve.

Installation Instructions

- Pipeline Connection:
Aeration Tray → Tee Connector → Hose (Braided / Self-Sinking) → Main Valve (50 mm)
- Pair with microporous aeration tubes & VFD blower for pond-wide uniform aeration.

** Data shown in figures is subject to actual measurements.*



Aeration Accessories Series

Air Hose Series

Reinforced Braided Hose

Spec: 9.5 mm × 12.5 mm

Braided reinforcement, pressure-resistant



Self-Sinking Weighted Hose

Spec: 9 mm × 14 mm

Self-weighted design, sinks automatically



Air Valve Series

Bypass Air Valve

Specs: 40/50/63/75 × 10 mm

Ball valve with handle

Convenient airflow adjustment



Barb Connector

Male / Female Connector

10 mm diameter



Integrated Valve

20 mm diameter

With red handle



6-Way Connector

20 mm × 10 mm

1-in 6-out manifold



Tee & Plug Series

T-Connector (Tee)

Specs:

10/10/10, 12/12/12 mm

12/12/10, 16/16/10 mm



End Plug / Stopper

Specs: 10 / 12 / 16 mm



Straight Connector

Specs: 10 / 12 / 16 mm



System Matching Note

All accessories are fully compatible with microporous aeration tubes and aeration trays, delivering a complete turnkey aeration system solution.