



WALCOOM

Walcoom Corporation



AQUACULTURE NETTING

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Taking into account the fish farming environment, Walcoom provides buyers four types of aquaculture nets with various materials. They are oyster mesh, lobster trap, copper alloy fish cage and extruded aquaculture netting.

Choosing the proper fishing net is conducive to aquaculture. So you may ask what kind of fish farming net is the best choice in aquaculture. Read this article and you will know the advantages of our products.

I, Oyster mesh



Oyster mesh



Oyster tumbler



Oyster cage



Floating oyster bag

Feature and benefit

- **Suitable for river and coastal area:** oyster mesh is made from high density polyethylene, with the feature of acid, alkali-resistant, chemical stability, wear-resistant, anti-ageing, etc. So you don't need to worry about oyster nets being corroded in marine environment.
- **With other accessories:** attaching rubber block or inflatable bag make oyster bag floating on the the water. In addition, oyster cage, oyster tumbler and sealed oyster bag are all suit for placing on supports.
- **Fine mesh:** prevent seeds and lobster from falling down.
- **Non-toxic and tasteless:** bring you healthy lobsters.
- **Easy to carry:** hold it by you hands or using a rope to lift.
- **UV treated:** make it stable performance.

Specification

- **Material:** high density polyethylene.
- **Mesh type:** diamond or square.
- **Type:** floating oyster bag, oyster cage, oyster tumbler, sealed oyster bag.

Application

- River.
- Coastal area.

Floating oyster mesh

- **Mesh size:** 2 mm, 4 mm, 6 mm, 9 mm, 12 mm, 14 mm, 16 mm, 20 mm, 23 mm.
- **Bag size (L × W):** 0.8 m × 0.5 m, 0.9 m × 0.5 m, 0.4 m × 1 m, 0.5 m × 1 m.
- **Floating bag size**
 - L 600 mm × W 100 mm × H 50 mm for square foam float.
 - L 700 mm × W 100 mm × H 50 mm for square foam float.
 - L 800 mm × W 100 mm × H 50 mm for square foam float.
 - L 600 mm × D 80 mm for cylinder air rubber float.
 - L 700 mm × D 80 mm for cylinder air rubber float.
 - L 800 mm × D 80 mm for cylinder air rubber float.

Table 1: Oyster cage size

Code	Mesh opening size (mm)	Length (cm)	Width (cm)	Height (cm)	Weight (g)
OC 1	10	40	20	20	410
OC 2	15	40	30	20	410
OC 3	4	60	30	15	550
OC 4	6	60	30	20	550
OC 5	9	60	30	30	560
OC 6	16	80	40	20	560
OC 7	20	80	40	30	700
OC 8	23	80	40	40	700

Table 2: Sealed oyster bag size

Code	Mesh opening size (mm)	Bag size (cm)	Weight (g)
SOB 1	4	80 × 40	410
SOB 2	6	80 × 40	410
SOB 3	9	80 × 40	410
SOB 4	12	80 × 40	560
SOB 5	14	80 × 40	560
SOB 6	23	80 × 40	560
SOB 7	4	100 × 50	550
SOB 8	6	100 × 50	550
SOB 9	9	100 × 50	550
SOB 10	12	100 × 50	700
SOB 11	14	100 × 50	700
SOB 12	23	100 × 50	700

II, Lobster trap



Crab trap



Lobster trap

Feature and benefit

- **PVC coating:** ensure long life span.
- **With built-in bait box:** attractive crabs, lobster, shrimp, etc.
- **With small escaping vent:** stop lobster and from running away.
- **Simple structure:** able for attaching rope that convenient for carry.
- **Strong support structure:** anti-bending.
- **Environment-friendly:** recyclable, non-toxic.

Specification

- **Material:** carbon steel.
- **Surface treatment:** vinyl coating, PVC.
- **Wire diameter:** 11 gauge, 12 gauge, 12.5 gauge, 14 gauge or 16 gauge.
- **Color:** metal, white, yellow, blue, gray, green and others.

Application

- Lake.
- River.
- Artificial fish farming ponds.
- Deep-sea.

III, Copper alloy fish cage



Feature and benefit

- **Good anti-biofouling properties:** a retarding sequence of colonization through release of antimicrobial copper ions, thereby preventing the attachment of microbial layers to marine surfaces, separating layers that contain corrosive products and the spores of juveniles or macro-encrusting organisms (cited from Wikipedia).
- **Anti-corrosion property:** copper alloy has a low corrosion-resistance in marine environment but high anti-corrosion to local forms (cited from Wikipedia).
- **Stability:** strong support structure, not damage or less damage in dramatic wave movement.
- **Predator-resistant:** proper mesh hole prevent other predator from entering.
- **Recyclable:** 100% recyclable.
- **Large inner space:** help for water flow and circulation.
- **Provide healthy fish:** copper is environment-friendly material.

Table 1: Chemical composition of copper alloy aquaculture mesh

Material	Cu	Sn	Al	Zn	Nickle
Copper alloy wire	66.0%	0.6%	0.6%	Rem	10%

Table 2: Mechanical properties of copper alloy aquaculture mesh

Material	Wire diameter	Temper	Hardness	Tensile strength T/S (N/mm ²)	Nickle (%)
Copper alloy wire	4.0 mm	1/8 H	54	440	22

Table 3: Physical properties of copper alloy aquaculture mesh

Melting point (°C)	Gravity (g/cm ³)	Thermal conductivity (W/(m·K))	Electrical conductivity (% IACS)	Coefficient thermal expansion (× 10 ⁻⁶ /°C)	Longitudinal modulus of elasticity (N/mm ²)
920	8.4	117	26	21	1.03 × 10 ⁵

Specification

- **Material:** copper alloy.
- **Fabrication procedure:** crimped, chain link.
- **Lifespan:** at least 5 years.

Application

- Ideal for deep-sea aquaculture.
- Also can be used in river.
- Industry fishing ponds.

IV, Extruded aquaculture netting



Feature and benefit

- **Off-line:** made of high density polyethylene.
- **Non-toxic and tasteless:** not pollute the environment and fish.
- **Anti-ageing:** ensure long service life.
- **Anti-UV:** UV treated

Specification

- **Material:** high density polyethylene.
- **Mesh hole:** diamond, hexagon, square.
- **Color:** black, green, white, etc.

Applications

- Artificial fish farming pools.
- Fish farming cage in the shoal.

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