

# OXYMAT® Oxygen Cones



Oxygen Cones is the **OXYMAT®** way of mixing **O<sub>2</sub>** into  
**Aquaculture Water.**

The **OXYMAT®** Oxygen Cones have saturation efficiency around **95 %**, which is more efficient than traditional saturators due to the shape.

The **OXYMAT®** Oxygen Cone have **no moving parts**, easy to install and simple to operate.

The **OXYMAT®** Oxygen Cones are made of non corrosive reinforced fibreglass with flange connections and tested at 2,5 bar(g).

Range of operation is from 0,5-1,5 bar(g) water pressure.

The **OXYMAT®** Oxygen Cone is a very economical attractive device at 1,0 bar(g) water pressure.

**OXYMAT® A/S** has the Oxygen Cone in 5 standard sizes.



## **O<sub>2</sub>** Tech Talk

Up to **25 mg/l O<sub>2</sub>** can be dissolved with as little as 1,0 bar(g) water pressure.

Are you currently recycling the water in your pond, you can use an Oxygen Cone to saturate oxygen into the water without even using a diffuser.

Oxygen Cones are widely used in the aquaculture industry due to the high saturation efficiency.

Water and oxygen enter at the top of the cone. Due to the larger volume of the cone at the bottom the water velocity gradually decreases. The oxygen bubble buoyancy counteracts the water velocity and the bubbles remain in the cone, where they are totally dissolve.

At high water pressure, a portion of the total water flow is highly supersaturated with oxygen and then mixed with the main water flow to reduce the super saturation, and at low water pressure the total water flow is only slightly supersaturated.

The choice of water pressure depends to a great extent on how the plumbing is designed and whether the water to be oxygenated is seawater or fresh water.

Professional system design is recommended to achieve maximum system efficiency.

No matter the situation, **OXYMAT® A/S** has a suitable cone.

**Specifications and prices on next page.**

**OXYMAT® A/S**

**Fasanvej 24, DK-3200 Helsingør, Denmark**

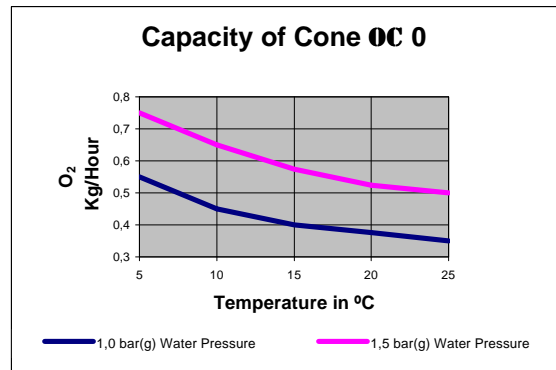
**Tel +45 48 79 78 11, Fax +45 48 79 78 13, e-mail: sales@oxymat.dk**

**www.oxymat.dk**

**OXYMAT® Oxygen Cone Type: OC 0**

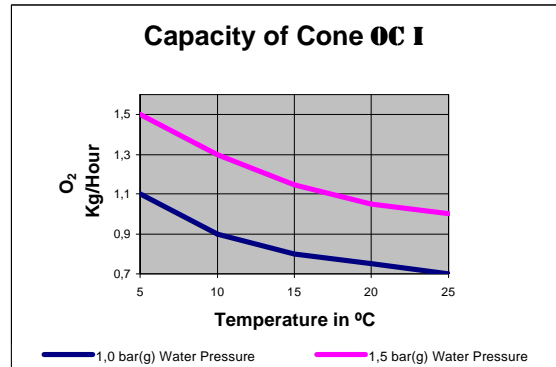
Water flow: 15 m<sup>3</sup>/hour  
 Weight: 25 kg  
 Height: 1.000 mm  
 Diameter: 400 mm  
 Connections: ISO Flange DN 65

Unit price in EURO: 795,-

**OXYMAT® Oxygen Cone Type: OC I**

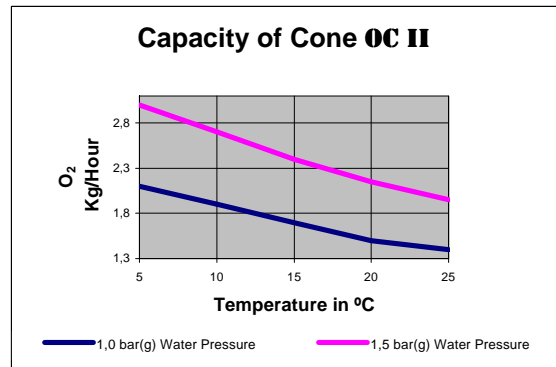
Water flow: 30 m<sup>3</sup>/hour  
 Weight: 33 kg  
 Height: 1.740 mm  
 Diameter: 620 mm  
 Connections: ISO Flange DN 80

Unit price in EURO: 895,-

**OXYMAT® Oxygen Cone Type: OC II**

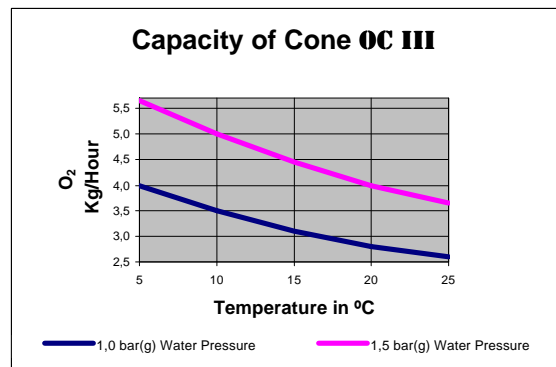
Water flow: 60 m<sup>3</sup>/hour  
 Weight: 45 kg  
 Height: 2.200 mm  
 Diameter: 860 mm  
 Connections: ISO Flange DN 100

Price in EURO: 1.095,-

**OXYMAT® Oxygen Cone Type: OC III**

Water flow: 110 m<sup>3</sup>/hour  
 Weight: 70 kg  
 Height: 2.700 mm  
 Diameter: 1.050 mm  
 Connections: ISO Flange DN 125

Unit price in EURO: 1.695,-

**OXYMAT® Oxygen Cone Type: OC IV**

Water flow: 140 m<sup>3</sup>/hour  
 Weight: 101 kg  
 Height: 3.200 mm  
 Diameter: 1.250 mm  
 Connections: ISO Flange DN 150

Unit price in EURO: 2.095,-

