

Oxygenation and Water Management Specialists - Making your water better!

# **P4! TRAC-LOCK MICROBUBBLE DIFFUSERS**

## MAXIMUM VERSATILITY FOR INCREASING YOUR DISSOLVED OXYGEN

*The NEW Point Four Trac-Lock Diffusers are an economical alternative to the Point Four MDBs (Micro Bubble Diffusers). Like the MDBs, they are good for use with pure oxygen and/or carbon dioxide. However, their module design allows for greater flexibility, and it's plastic base eliminates the possibility of corrosion.*

### A SIMPLE DESIGN

*The flat plate design ensures bubbles across the entire surface. The slim design will not hinder fish netting and will accommodate most fish transportation systems. The "twist and lock" design allows for easy diffusing area adjustment, or for simple removal of sections for cleaning/servicing.*

### HIGH ABSORPTION EFFICIENCY

*Depends on submerged depth, flow rate, and dissolved oxygen concentration. Typically 40% to 50% at 1 m depth; can be as high as 80% or even 100% at depths of 6m or more.*

### FEATURES AND BENEFITS

#### **Plastic frame**

- will not rust or degrade over time.

#### **Easy to install and use**

- simple to connect for trouble-free operation.

#### **Efficient design**

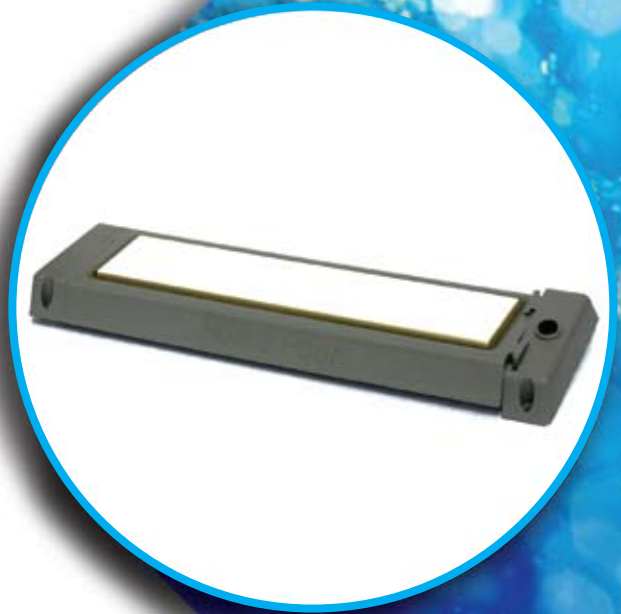
- the flat design minimizes rising air bubble coalescence.

#### **Comprehensive customer support**

- take advantage of our considerable engineering expertise and thorough after-sales support.

#### **1 year warranty**

- covering defective materials and workmanship.

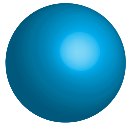


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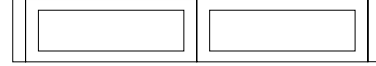
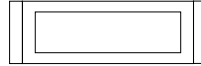
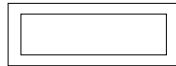
MAKING YOUR WATER BETTER!

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## SPECIFICATIONS



Diffuser

1 Base

Single - Assembled

Two - Assembled

Length in (cm)	131/2 (34.3)	16 (40.6)	291/2 (74.9)
Width in (cm)	41/2 (11.4)	41/2 (11.4)	41/2 (11.4)
Height in (cm)	15/16 (3.3)	15/16 (3.3)	15/16 (3.4)
Weight lb (kg)	2.6 (1.2)	3.1 (1.4)	5.9 (2.7)
Diffuser Area in (cm)		121/4 x 21/2 (31 x 6)	241/2 x 21/2 (62 x 6)
Recommended Flow Rate lpm (scfh)		up to 3 (6.5)	up to 6 (12.7)
Maximum Flow Rate @ 50 psi (3.5 bar) lpm (scfh)		9 (19)	18 (38)

## OVERALL

Gas Inlet Connection: 5/16 in or 8 mm tube O.D.

Use rigid tubing (i.e., nylon) or a push-in adaptor fitting.

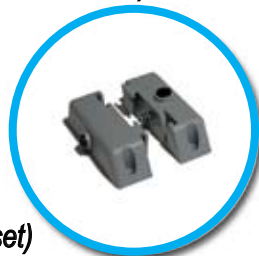
O-ring size: -009

O-ring material: EPDM

Max. number of assembled base units without external support: 3

Maximum Operating Pressure: 50 psi (3 bar)

Bubbling Pressure: 25 + 2.5psi (1.7 + 0.2 bar)



## OVERALL

INDIVIDUAL (1 base and 1 end set)

Boxed Weight: 3.5 lbs (1.6 kg)

Dimensions: 16.5 x 5 x 1.6 in (42 x 12.7 x 4 cm)

4-PACK (4 bases and 2 end sets)

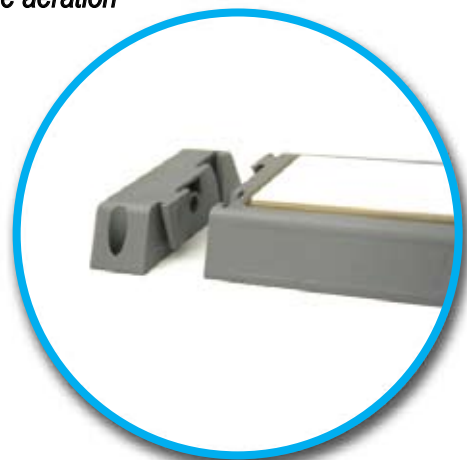
Boxed Weight: 11.8 lbs (5.4 kg)

Dimensions: 15.4 x 10 x 3.1 in (39.2 x 25.4 x 8.0 cm)

JUMBO BOX (5 x 4-packs)

Boxed Weight: 60 lbs (27.2 kg)

Dimensions: 16 x 10.5 x 16 in (40.6 x 26.7 x 20.3 cm)



## APPLICATIONS

Aquaculture and commercial fish farming

- Increase production or reduce operating costs

Emergency back-up

- Live fish transportation

Reduce fish stress and mortalities

- Increase fish density

Fish handling and processing

- Anaesthetizing with CO<sub>2</sub>

Industrial waste water treatment

- Supplemental oxygen and pH control using carbon dioxide

Educational

- Universities and research labs

Environmental

- Lake aeration



**Point Four**  
Systems Inc.

Point Four specializes in the design and supply of systems for measuring and controlling levels of oxygen and other gases in water. Established in 1988, Point Four's success is built on our willingness to "go that extra mile"; helping our customers with engineering expertise and the very best after-sales support.