

WEDGE-LOCK™ DIFFUSERS

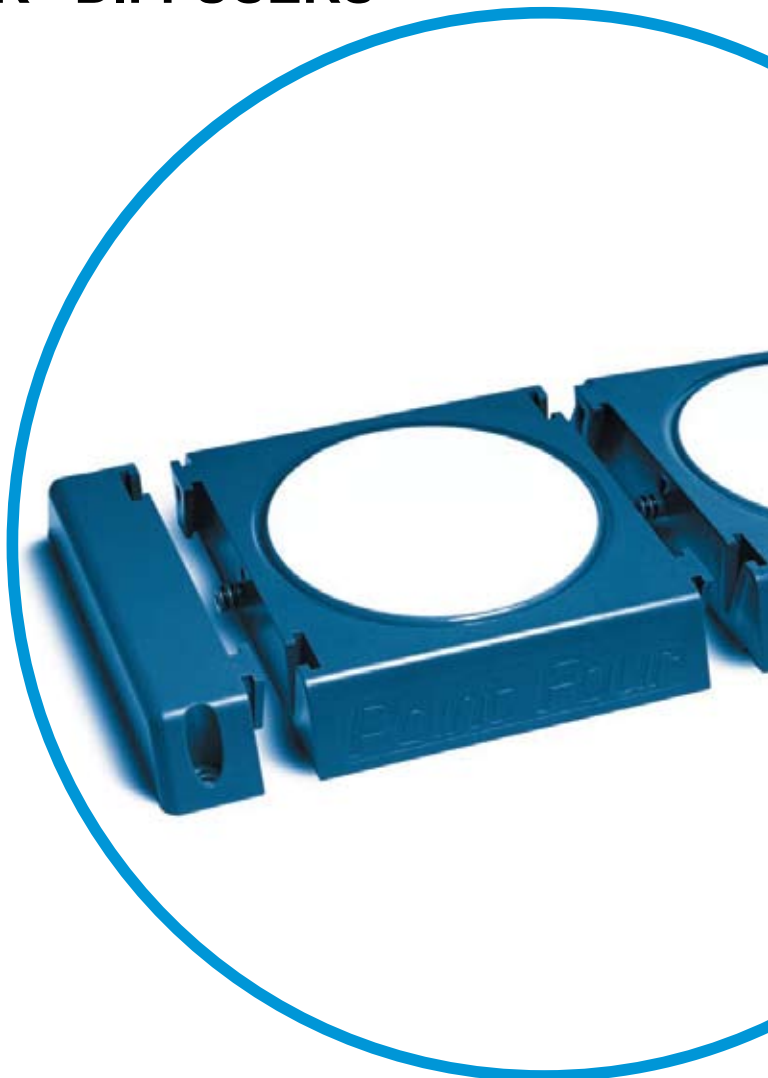
Introducing the WEDGE-LOCK™ – a revolution in diffuser design

WEDGE-LOCK™ is a modular system of diffusers and end sets that fit together to form a bank of up to eight units. Capacity can be increased (or decreased) as your needs demand by simply changing the number of diffusers used for greater flexibility and minimal downtime.

Designed for total ease of use, WEDGE-LOCK™ modules 'Twist and Lock' together to form an airtight seal without the use of tools. Hose with push-in fittings connects the diffuser banks to the gas supply, significantly reducing the time and effort required for assembly.

Manufactured from tough plastic, WEDGE-LOCK™ will not corrode and is resistant to the sun's ultraviolet rays. The diffuser's streamlined wedge shape improves stability in tanks with high water flow and offers less resistance to water flow in self-cleaning tank systems.

WEDGE-LOCK™ uses an ultrafine pore ceramic producing a high Absorption Efficiency (AE) allowing you to increase yield while controlling the cost of expensive oxygen or carbon dioxide.



FEATURES AND BENEFITS

Flexible, modular design

- *easily add or subtract diffusers to match your changing needs.*

Simple 'Twist and Lock' installation

- *diffuser modules and hose connect in minutes without the use of tools.*

Made from rugged thermoplastic

- *corrosion-free and UV resistant.*

Streamlined wedge shape

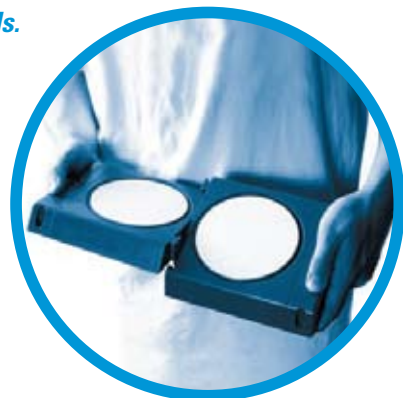
- *improves stability in tanks with high water velocity.*

High Absorption Efficiency (AE)

- *reduces gas usage and operating costs.*

Full 1 year warranty

- *covering defective materials and workmanship.*



Point Four
Systems Inc.

MAKING YOUR WATER BETTER!

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APPLICATIONS

Aquaculture and Commercial Fish Farming

- Increase production and reduce operating costs
- Emergency back-up

Live Fish Transportation

- Reduce fish stress and mortalities
- Increase fish density

Fish Handling and Processing

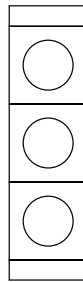
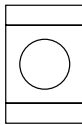
- Anaesthetizing with CO₂
- Stress reduction in holding tanks

Industrial Waste Water Treatment

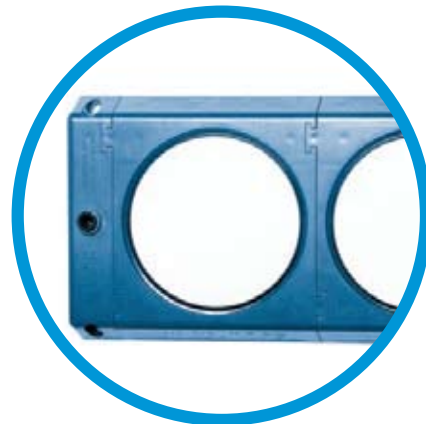
- Supplemental oxygen
- pH control using carbon dioxide



SPECIFICATIONS



Diffuser	1 base	Single assembled	Three assembled
Length in (cm)	5.4 (13.7)	7.9 (20.1)	18.7 (47.5)
Width in (cm)	6.6 (16.8)	6.6 (16.8)	6.6 (16.8)
Height in (cm)	1.3 (3.2)	1.3 (3.2)	1.3 (3.2)
Weight lb (kg)	1.7 (0.8)	2.6 (1.2)	6.5 (2.9)
Diffuser Area in ² (cm ²)		15.6 (101)	46.9 (303)
Recommended Flow Rate scfh (LPM)		up to 3.5 (1.6)	10.4 (4.9)
Maximum Flow Rate scfh (LPM)		10.4(4.9)	31.1 (14.7)



Overall

Gas Inlet Connection: 5/16 in or 8 mm tube O.D. Use rigid tubing (ie. nylon) or a push-in adaptor fitting.
 O-ring Size: -009
 O-ring Material: EPDM
 Maximum Number of Base Units in a Diffuser Assembly: 8
 Maximum Operating Pressure: 50 psi (3 bar)
 Bubbling Pressure: 25 ± 2.5 psi (1.7 ± 0.2 bar)

Shipping Information

Base Unit
 Boxed Weight: 1.9 lb (0.8 kg)
 Dimensions: 7.5 x 6.3 x 1.5 in (19 x 16 x 3.7 cm)

End Set
 Boxed Weight: 1.0 lb (0.5 kg)
 Dimensions: 6.9 x 3.8 x 1.5 in (18 x 10 x 3.7 cm)



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.