

TECHNICAL SHEET NUMBER/ LAST REVIEW: 916/250518  
ISO CERTIFICATION: 9001:2015 N° CA-1.092. ACCREDITED LABORATORY N° 046/ GA/ SA680A

## PRODUCT

# CUBOX<sup>®</sup> OXYGEN DIFFUSER

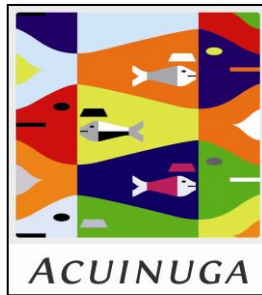
## DESCRIPTION

**High capacity microbubble diffuser**, specifically designed for facilities with strict technical requirements. These precision-engineered diffusers incorporate their own ballast, remaining in the bottom of the tank or water reservoir. With a quadruple loop of exclusive microperforated hose, the CUBOX<sup>®</sup> self-compensates within 1-3,5 bar pressure range. Very durable and stress resistant, providing homogeneous microbubbles 50-250  $\mu\text{m}$  in diameter, for transferring gas flows of up to 1  $\text{m}^3/\text{h}$ . High transfer efficiency for oxygenation in water tanks, transport vessels, pH control, air/nitrogen injection, water treatment processes etc.

## ADDITIONAL INFORMATION

Delivery within 7 to 10 working days from date of order. Please contact our Commercial Office at [ventas@acuinuga.com](mailto:ventas@acuinuga.com) for further details.





TECHNICAL SHEET NUMBER/ LAST REVIEW: 916/020316  
 ISO CERTIFICATION: 9001:2008 Nº CA-1.061. ACCREDITED LABORATORY Nº 046/GA/SA680A

**TECHNICAL PROFILE**

## CUBOX<sup>®</sup> OXYGEN DIFFUSER

**Aplicaciones**

- ▶ Oxigenación de estanque de peces.
- ▶ Oxigenación de transporte de peces vivos.
- ▶ Carbonatación y control PH.
- ▶ Oxigenación tratamiento de agua.

### Eficiencia según profundidad de burbujeo

Profundidad (m)	Agua Salada (%)	Agua Dulce (%)
0	0	0
1	30	15
5	80	60
10	95	80
15	100	90
20	100	90

---

### Flujo CUBOX según presión

Presión (PSI)	Flujo Oxígeno (LPM)
10	2
20	14
30	15
40	16
50	17
60	18

### Datos Técnicos

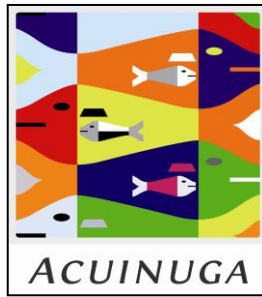
Caudal de Diseño	16	lpm
Presión compensación	20 - 50	Psi
Micro perforaciones	6.000	Un/Mc
Tamaño Burbuja	50 - 250	um
Diámetro Interior	1/4"	Pulg
Diámetro Exterior	1/2"	Pulg
Eficiencia Agua Salada	30	%
Presión de ruptura	200	psi

---

### Factores de conversión oxígeno puro

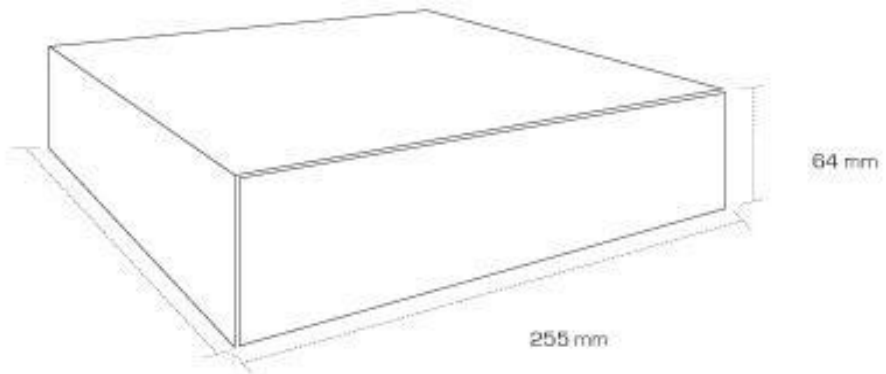
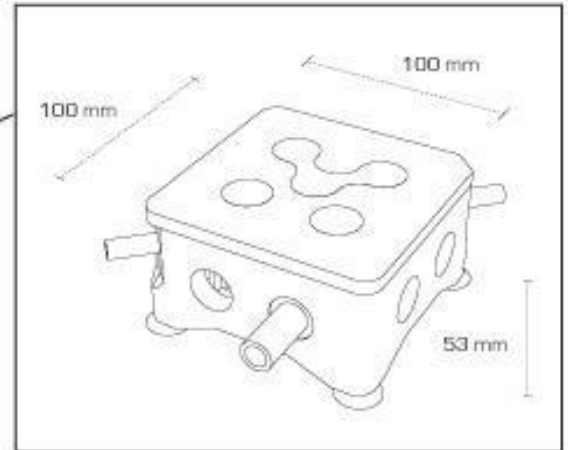
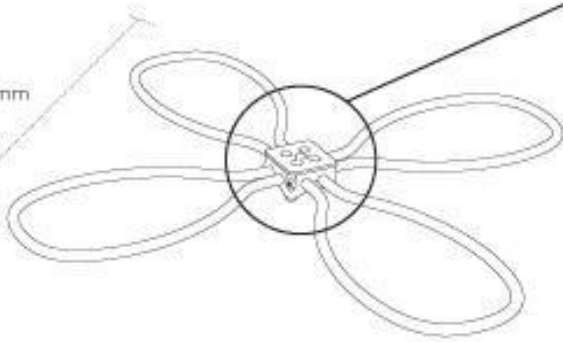
	PESO		GAS		LIQUIDO	
	Kg.	LB	M3 [15°C, 1 atm]	SCF [70°F, 1 atm]	l [1atm.]	Gas [1atm]
1 kg	1	2,2046	0,7386	26,631	0,8764	0,2315
1 lb	0,4536	1	0,3350	12,079	0,3975	0,105
1m3	1,354	2,985	1	36,06	1,1867	0,3135
1 scf	0,0375	0,08279	0,02773	1	0,03291	0,008695
1 l	1,141	2,5155	0,8427	30,384	1	0,2642
1 gal	4,319	9,522	3,1899	115,02	3,7854	1

14,7 psi = 10mca = 1 bar      1m3 GOX = 1.354 kg O2      GOX oxígeno gaseoso



Medidas Caja Cubox

700 mm



Peso: 1,4 kg.

