

# MICRO-BUBBLE TUBE DIFFUSER

Oxygenation in wastewater treatment plants

## DESCRIPTION

Tubular EQUIP DIFFUSER are available in two diameters: 63mm and 90mm on request. Our lengths are 500, 750 and 1000mm. The internal structure of the diffuser is made with plastic material, resistant to corrosive agents. The membrane is available in EPDM or Silicone.



## APPLICATIONS

Tube diffusers are best solution for long and narrow aeration tanks. Opportunity to choose different material, connection thread, and size makes EQUIP tube diffusers fit to any type of waste water. EQUIP tube diffusers can be great solution for various applications in treatment plants of waste water, biological processes and sludge stabilization, until the elimination of fats and sands.

## ACCESSORIES

- Rubber Saddles
- PVC Saddles
- Check Valve
- Clamp Adapters
- Blind Plugs
- Adapters
- Sealing for Tube Diffusers
- Stainless-Steel Connectors (Square headers)
- Plastic Connectors / Saddles (Round headers)
- Stainless-steel clamps
- Pincer
- Fixing Plates
- L-brackets
- Pipe Support



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### INSTALLATION

- Removable/Retrievable installation
- Mounted on the ground/bottom of the tank



MOUNTED ON THE GROUND



REMOVABLE INSTALLATION

### TECHNICAL CHARACTERISTICS

Find below the different values for your EQUIP DIFFUSER such as oxygen transfer efficiency, amount of holes or surface of oxygenation.



Model EQUIP DIFFUSER Tubes		500	750	1000
Diameter (mm)		Ø63		
Lentgh tube (mm)		500	750	1000
Oxygen Transfert Efficiency	At water depth 5m	23 to 32%		
	6m	34 to 39,5%		
	7m	31 to 45%		
Air flow	(m <sup>3</sup> /h) per unit	1.7 - 6.8	3.4 - 13.6	3.4 - 17.0
Surface area	m <sup>2</sup> per unit	0.82 - 1.26	0.98 - 2.11	0.98 - 2.35
Number of holes	amount	8080	10300	13880
Bubble diameter	mm	0.8 - 2.0		
Pressure loss	Cm	25 - 42	25 - 41.5	25 - 40
Standard aeration efficiency	Kg O <sub>2</sub> /kw.h	7.5		
Tensile Strength	kpa	> 13800		