

FINE BUBBLE DIFFUSERS

About

Fine bubble diffusion introduces very small bubbles into a wastewater treatment process. The main principle behind using fine bubble diffusers versus coarse bubble diffusers is that smaller bubbles result in more bubble surface area per unit volume and greater oxygen transfer exchange. **Fine bubble sizes range from 0 to 3 mm.**

Large numbers of small bubbles will transfer far more oxygen than a small number of large bubbles due to the increase in total bubble surface area. Diffusers generate smaller bubbles than those coming from holes drilled in pipe. Therefore, when using diffusers you can achieve a desired amount of oxygen transfer with less air (less energy demand). This means lower blower operating speeds and lower energy costs. This is especially true if you incorporate smaller bubble diffusers into your system.

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Product Description

- :: High aeration efficiency
- :: High oxygen transfer efficiency
- :: Require less energy to run (compared to coarse bubble diffusers)
- :: Easily adapt to existing basins (for replacements or upgrades)
- :: Lower volatile organic compound emissions (compared to coarse diffusers or mechanical aeration devices)
- :: Satisfy high oxygen demands

Product Specifications

PRODUCT NAME	MODEL NO.	SPECIFICATION
FINE BUBBLE DIFFUSER	FBD 63 X 610	Air Flow - 2.0 - 5.5 M3, Connection Size - 3/4 " BSP/SS 304
	FBD 63 X 1000	Air Flow - 3.0 - 9.0 M3, Connection Size - 3/4 " BSP/SS 304
	FBD 90 X 1000	Air Flow - 5.0 - 12 M3, Connection SIZE - 1 " BSP/SS 304

- Available in EPDM & Silicon

Contact Us



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