



AR-001  
Fine Bubble Diffuser



# Fine Bubble Diffuser

### Purposes

Submerged fine bubble diffuser is used to provide high efficiency of air or oxygen conveyance into the wastewater/sludge, and agitate the wastewater to keep solids in suspension and mixing.

### Configurations

- › The membrane is made of EPDM with the characteristics of UV light, acids, alkali, and corrosion resistances for a prolonged useful lifetime.
- › The concave attachment between the plate and membrane and an extra clamping ring prevents leaking and loosening.
- › The special design of diffusing apertures distributes on the membrane by the way of polygon. When the blower operates, each diffuser generates the fine bubble stream of 1 ~ 3mm radically.
- › The check valve /orifice device equipped in the base plate avoids the back flow when the blower is shut down.



### Specifications

Model	U 250
Diameter (mm)	250
Standard Flow Rate (L/min)	70 ~ 100
Maximum Flow Rate (L/min)	150
SOTE (%)	20 ~ 45
Material (Frame/Membrane)	ABS / EPDM
Including the check globe-valve and pressure distributor	

## Type U-250 : The Curve of Oxygen Transfer Efficiency

