

Finebubbledisdiffuser

- Ecoflex-235CV(9.5 (")
- Ecoflex-250CV(10.0 (")
- Ecoflex-316CV(12.5 (")
- Ecoflex-350CV(14.0 (")



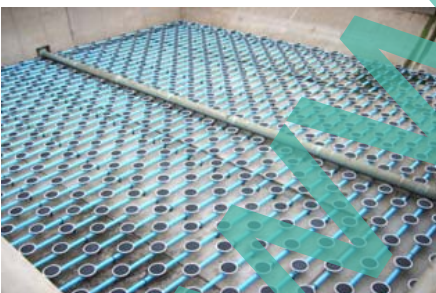
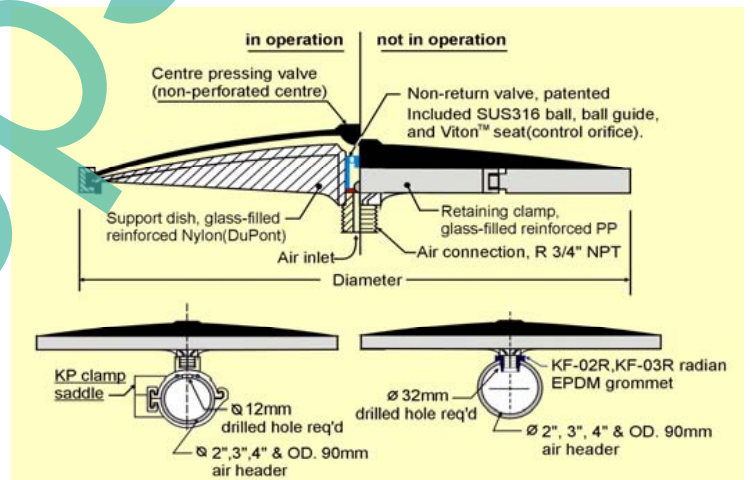
Design The Ecoflex diffuser shall be developed specifically for release of ~3mm fine bubble in the wastewater treatment plant. All materials have been selected for their ability to withstand the effects of the chemical, bio-chemical agents and 0~100°C used in wastewater tank. The diffuser can be placed in an evenly distributed grid system over the entire aeration tank bottom. Air can be easily through the air orifice and integrated non-return valve into the wastewater.

The air orifice design to maintain the diffuser standard air flow input prevented the max. air enter to damage diffuser membrane. The membranes shall be secured onto the support dish with a constrict flex rim and retaining ring designed to increase the tension on the point of engagement as the diffuser air rate increases.

Construction The materials of construction for both support dish and membrane diaphragm are non-corrosive and UV resistant. The support dish shall be upward facing convex plastic (Glass filled reinforced Nylon) for working without any acid dosing requirements and patented integrated non-return valve designed for backflow prevention while airflow is interrupted. The membrane diaphragm which covers the dish is made of high grade EPDM resistant to the usual sewage ingredients. The membrane shall be further fastened to the support dish with a U-type retaining ring without special tools for fastening or replacement the membrane.



Silicone & Viton™ membrane available



KP Clamps saddle: for 2", 3", OD 90mm and 4" pipe

Technical Data

Diffuser type	Ecoflex-235CV	Ecoflex-250CV	Ecoflex-316CV	Ecoflex-350CV
Material - Membrane	High grade EPDM (Silicone & Viton™ available), Made in USA			
Support dish & retaining ring	Glass filled reinforced Nylon™			
Diameter	9.5") (240mm)	10") (255mm)	12.5") (320mm)	14") (355mm)
Connector (air inlet) threaded	R. 3/4" NPT, male			
Airflow - Best continuous operation	2.0~4.0m³/h	3.0~5.0m³/h	6.0~8.0m³/h	8.0~12.0m³/h
- Max. Overload/Maintenance	8.0m³/h	10.0m³/h	15.0m³/h	18.0m³/h