

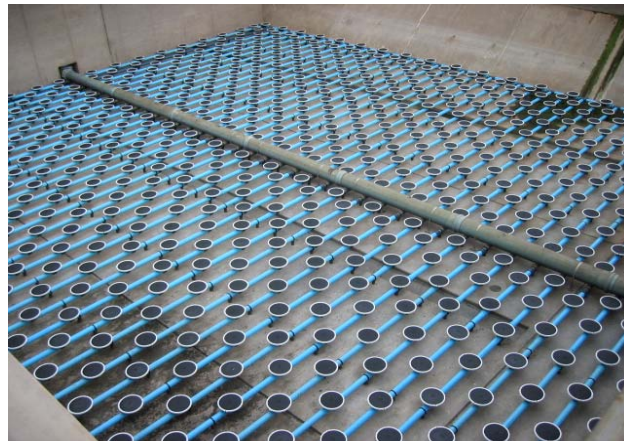
Fine bubble disc diffuser

- Ecoflex-235CV
- Ecoflex-250CV
- Ecoflex-316CV
- Ecoflex-350CV



Membrane material		
Items	EPDM	Silicone
Density(DIN EN ISO 1183-1)	1.07 ± 0.03 g/m ³	1.16 ± 0.03 g/cm ³
Tensile Strength (DIN 53504)	> 8.5Mpa	> 9.0Mpa
Elongation at Break (DIN 53504)	> 450%	> 600%
Tear strength, DIN (EN ISO 34-1)	> 6N/mm	> 35 N/mm
Hardness (DIN ISO 7619-1,ASTM D2240-95)	60 ± 5 Shore A	60 ± 5 Shore A
Ozone Resistance (DIN ISO 1431-1,500ppb)	Non-cracking	Non-cracking

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-Dupont) for working without any acid dosing requirements and patented integrated non-return valve designed for back-flow prevention while airflow is interrupted or membrane diaphragm damaged. The membrane diaphragm which covers the dish is made of high grade EPDM resistant to the usual sewage ingredients. The membrane diaphragm shall be further fastened to the support dish with a patented U-type retaining ring (Glass filled reinforced PP) without special tools for fastening or replacement the membrane.



KP Clamp saddle for 2", 3", 4" sch. 40/80 & OD 90mm

Technical Data

Diffuser type	Ecoflex-235CV	Ecoflex-250CV	Ecoflex-316CV	Ecoflex-350CV
Material - Membrane	High grade EPDM, Silicone and Viton™ available			
-Support dish & retaining ring	Glass filled reinforced Nylon™ - Glass filled reinforced PP			
Diameter	9.5"(240mm)	10"(258mm)	12.5"(320mm)	14"(355mm)
Effective area	0.035m ²	0.037m ²	0.067m ²	0.079m ²
Connector-air inlet threaded	R. 3/4" NPT, male			
Airflow - Standard continuous operation	3.0~5.0m ³ /h	4.0~7.0m ³ /h	6.0~12.0m ³ /h	10.0~14.0m ³ /h
-Max. Overload/Maintenance	10.0m ³ /h	14.0m ³ /h	24.0m ³ /h	28.0m ³ /h