ECOLOGIX TECHNOLOGY

Fine bubble disc diffuser

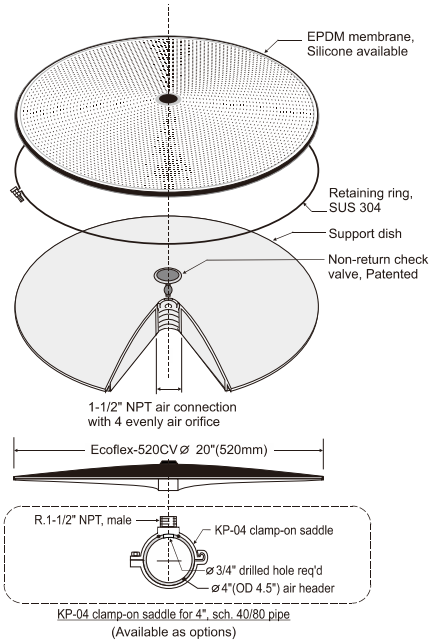
Ecoflex-520CV(Ø 20")

The Ecoflex-520CV, a diameter 520mm(20") big diffuser relaeses 1~3mm 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. Air can be easily through the air control orifice and integrated non-return valve into the wastewater. The air orifice design to maintain the diffuser standard airflow input, prevente the max air enter to damage diffuser membrane. The membrane is secured onto the support dish with a stainless steel retaining ring.

The materials of construction for both support dish and EPDMmembrane are non-corrosive and UV resistant. The upward facing convex plastic support dish for working in hard sewage environment requirements and patented integrated non-return valve with air control orifice, designed for back-flow prevention while airflow is interrupted. The membrane which covers the dish is made of high grade EPDM or Silicon resistant to the usual sewage ingredients. The membrane further fastened to the support dish with a stainless steel retaining ring, without special tools for fastening or replacement the membrane.

The Ecoflex-520CV membrane diffuser makes them suitable for high strength industrial and minicipal applications. They have a wide turndown capabilly and are ideal for timed, intermittent applications or for applications with auto dissolved oxygen control.

Because of their larger diffusion area compared to others, fewer diffusers are needed, reducing both diffuser costs and installation costs.



Clamp saddle for 4" & OD 114.3mm air header

Technical Data

Diffuser type & Description	Ecoflex-520CV-EP	Ecoflex-520CV-SL
Membrane	High Grade EPDM	Silicon
Support dish	Glass Filled Reinforced Nylon™	
Retaining ring	Stainless steel 304	
Total diameter	520mm(20")	
Effective slots area	0.18m^2	
Air connector threaded	R 1-1/2" NPT, Female	
Best Continuous & Intermittent airflow	18.0 – 24.0 Nm^3/h	
Max. Overload/Maintenance (<15min./day)	30.0 Nm^3/h	30.0 Nm^3/h