DATASHEET

Applications

Membrane tube diffuser, for industrial and municipal wastewater treatment plant, pressure diffusion with fine bubbles, oxygen input for nitrification in activation basins, permanent and intermittent ventilation, oxygen input and circulation in fixed-bed and bioreactors, thorough mixing of activation basins, sand trap louvre ventilation, renaturation of lakes and rivers, aquacultures, fish farming.

Properties

- ➔ high energy savings when compared with comparative, market standard EPDM and Silicone diffusors due to the much lower pressure loss
- ➔ extremely long lifetime and no curing due to the membrane not including a plasticizer
- ➔ very wide operating range: normal operation: 3-8, minimum 1, maximum 15 and purging op Aeration 18Nm3/h (h*maer.)
- ➔ comparatively high oxygen input and oxygen transfer efficiency even with low density systems
- ➔ very fine and uniform bubble formation due to an optimized perforation
- ➔ easily and quickly fitted
- ➔ extremely tear-resistant and abrasion-proof (mechanical strength around 2.5-4 times that of most of the EPDM and silicone materials)
- ➔ very good resistance to waste water and municipal sewerage in accordance with the latest instructions DWA-M 115
- ➔ microbe and hydrolysis resistant
- ➔ good resistance to oil, gasoline and chemicals
- ➔ conforms to RoHS guideline

Temperature Range
• -40°C to 90°C
• short time to 125°C

Design, Material
Wall material: special premium polyurethane
Wall thickness 0,7 mm approx.
Support body: polypropylene; clamps: stainless steel 1.4301/AISI 304/W2/INOX

Delivery variants

Code	Details
OAD.M500	PU Membrane Diffuser Ø 64.5 x L500 (570) mm 3/4" connector 1-4 m3/h max 7,5
OAD.M750	PU Membrane Diffuser Ø 64.5 x L750 (820) mm 3/4" connector 3-6 m3/h max 10

- *Further diameters and lengths available on request*