

Membrane diffuser tube

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 xed-bed and bioreactors, thorough mixing of activation basins, sand trap louvre ventilation, renaturation of lakes and rivers, aquacultures, sh farming

Properties

- high energy savings when compared with comparative, market standard EPDM and silicone diffusers 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 operation 18 Nm³/(h*m_{aer.})
- 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
- very good resistance to waste water and municipal sewerage in accordance with the latest instructions DWA-M 115
- extremely tear-resistant and abrasion-resistant (mechanical strength around 2.5-4 times that of most of the EPDM and silicone materials)
- microbe and hydrolysis resistant
- good resistance to oil, gasoline, and chemicals
- conforms to RoHS guideline

Temperature range

- -40 °F to 195 °F

Design

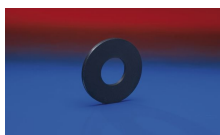
- wall: special premium ether-polyurethane (Pre-PUR®)
- wall thickness 0.02 in approx.

Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- special colors: full colored
- customer-specific branding

Size	I.D.	Length	Ventilation length	Weight	Order No.
(in)	(in / mm)	(in)	(in)	(lb/pcs)	
2.480	64,5	22.441	19.685	0.221	630-0570-2702
2.480	64,5	32.283	29.528	0.331	630-0820-2702
2.480	64,5	42.126	39.370	0.441	630-1070-2702

Accessories



CONNECT 683



CONNECT 685



CONNECT 229



CONNECT 684



CLAMP 682