

Membrane diffuser tube

Applications

- membrane diffuser tube, 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 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-resistant (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 °F to 195 °F

Design

- wall: special premium polyurethane (Pre-PUR®)
- wall thickness 0.0275 in approx.

Delivery variants

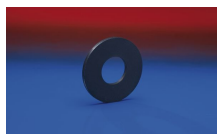
- further diameters and lengths available on request
- transparent (standard)
- special colors: full colored

Size	I.D.	Length	Ventilation length	Weight	Order No.
(in)	(mm)	(in)	(in)	(lb/pcs)	
2.480	2.539	22.441	19.685	0.221	620-0570-2702
2.480	2.539	32.283	29.528	0.331	620-0820-2702
3.543	3.602	39.370	36.614	0.551	620-1000-2791
3.543	3.575	39.370	35.827	0.551	620-1000-2794
2.480	2.539	42.126	39.370	0.441	620-1070-2702

Accessories



CLAMP 682



CONNECT 683



CONNECT 685



CONNECT 684



CONNECT 229