



Membrane diffuser tube

Application

- ♦ 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 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°C to 90°C

Design

- ♦ wall: special premium polyurethane (Pre-PUR®)
- ♦ wall thickness 0,6 mm approx.

Delivery variants

- ♦ further diameters and lengths available on request
- ♦ transparent (standard)
- ♦ special colours: full coloured
- ♦ customer-specific branding

Size	I.D.	Length	Ventilation Length	Weight	Order No.
(mm)	(in / mm)	(mm)	(mm)	(kg/pcs)	
63	64,5	570	500	0,100	621-0570-2702
63	64,5	820	750	0,150	621-0820-2702
63	64,5	1070	1000	0,200	621-1070-2702

Accessories



CONNECT 683



CONNECT 681



CONNECT 685



CLAMP 682



CONNECT 229



CONNECT 684