

Membrane diffuser tube for third party support body; universal diffuser, longest lifetime because free of softener, minimal pressure loss, maximum mechanical strength, excellent chemical resistance

Applications

- for pressure diffusion with fine bubbles
- for oxygen input for nitrification in activation basins
- for permanent and intermittent ventilation systems
- for an oxygen input and circulation in fixed-bed and bioreactors
- for the thorough mixing of activation basins (municipal and industrial)
- as sand trap louvre ventilation
- for diffusing storage and receiving tanks
- for the renaturation of lakes and rivers
- for aquacultures and fish 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 18Nm³/h (h * m_{aer.})
- comparatively high oxygen input and oxygen input even with low density systems
- very fine and uniform bubble formation due to an optimized perforation
- extremely tear-resistant and abrasion-proof (mechanical strength around 2.5-4 times that of most of the EPDM and silicone materials)
- optimized flow properties
- very good resistance to wastewater and municipal sewerage in accordance with the latest instructions DWA-M 115
- microbe and hydrolysis resistant
- good resistance to oil, gasoline and chemicals
- free of softener and halogen

- easily and quickly fitted
- very robust
- conform to RoHS guideline

Temperature Range

- -40 °C to +90 °C

Design, material

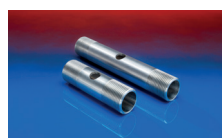
wall: special premium polyurethane (Pre-PUR®)

Delivery variants

- Further diameters and lengths available on request
- transparent (standard)
- special colours: full coloured
- customer-specific product marking
- other accessories on www.norres.com

Size	I.D.	Length	Ventilation Length	Weight	Order No.
mm	mm	mm	mm	kg/Pcs	
63	64,5	570	500	0,100	620-0570-2702
63	64,5	820	750	0,150	620-0820-2702
63	64,5	1070	1000	0,200	620-1070-2702
90	91,5	1070	1000	0,300	620-1070-2791

Accessoires



CONNECT 684



CONNECT 685



CLAMP 682

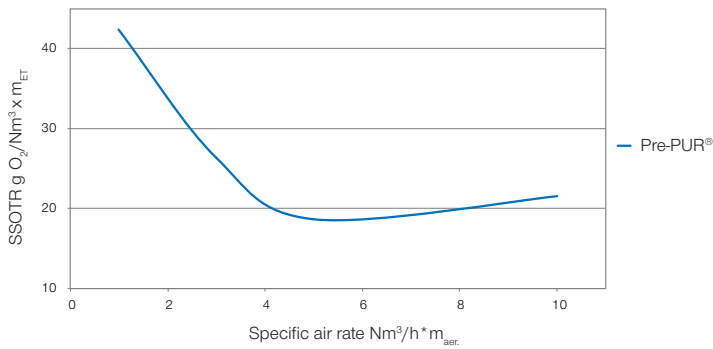


CONNECT 683



CONNECT 229

Oxygen transfer PRO₂AIR



Oxygen supply capacity/ yield refer to full floor aeration with an arrangement density of 19% and a blow-in depth of 1,80 m. Measured in clean water according to DWA-M 209.

The efficiency and reliability of NORRES membrane tube diffuser can be increased by optimising and adapting the operating parameters. The permanent elasticity of the membrane has a crucial influence on the uniformity of the opening characteristic of the slit perforation over the full operating range. This in turn ensures a largely constant performance of the fine-bubble, compressed air aeration system.

Pressure loss PRO₂AIR

