PRO$_2$AIR Pre-PUR® 601

Membrane tube diffuser; 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 intermittend 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 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 operation 18Nm³/h (h*maer.)
- comparatively high oxygen input and oxygen input even with low desnity 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

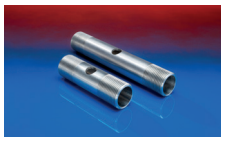
Temperature Range
- -40 °C to +90 °C

Design, material
wall: special premium polyurethane (Pre-PUR®); Adapter body: polypropylene; Clamps: material acc. to table

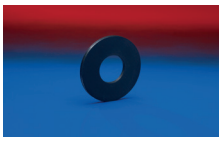
Delivery variants
- Further diameters and lengths available on request
- transparent (standard)
- special colours: full coloured
- customer-specific product marking
- other accessories on www.norres.com

Size	I.D.	Inner Thread	Length	Ventilation Length	Weight	Order No.
mm	mm	inch	mm	mm	kg/Pcs	
Dimension in Stock; Clamps: stainless steel (INOX) 1.4301 (stamped) = AISI 304						
63	64,5	3/4	570	500	0,700	601-0570-2702
63	64,5	3/4	820	750	1,000	601-0820-2702
63	64,5	3/4	1070	1000	1,300	601-1070-2702
other production lengths; Clamps: stainless steel (INOX) 1.4301 (stamped) = AISI 304						
63	64,5	1	570	500	0,700	601-0570-2712
63	64,5	1	820	750	1,000	601-0820-2712
63	64,5	1	1070	1000	1,300	601-1070-2712
other production lengths; Clamps: stainless steel (INOX) 1.4571 (stamped) = AISI 316Ti						
63	64,5	3/4	570	500	0,700	601-0570-2722
63	64,5	3/4	820	750	1,000	601-0820-2722
63	64,5	3/4	1070	1000	1,300	601-1070-2722
63	64,5	1	570	500	0,700	601-0570-2742
63	64,5	1	820	750	1,000	601-0820-2742
63	64,5	1	1070	1000	1,300	601-1070-2742

Accessoires


CONNECT 684

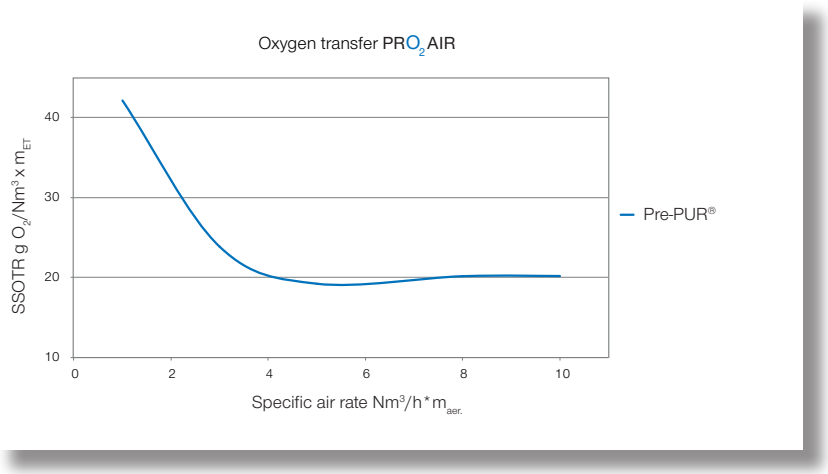

CONNECT 685

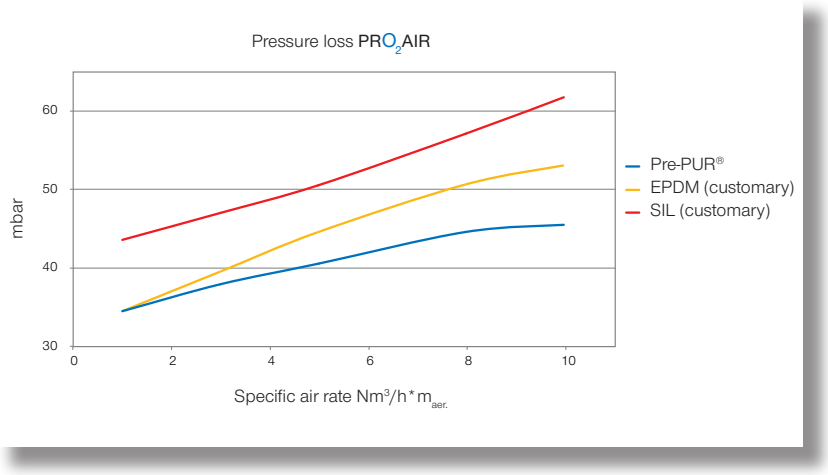

CONNECT 683

Please refer to the Installation, Operation, and Maintenance Manual and additional technical data at www.norres.com. The right to make technical modifications is reserved. All values determined at 20°C and are approx. data.

www.norres.com • info@norres.com • Phone +49 2 09 / 8 00 00-0 • Fax +49 2 09 / 8 00 00-99 99

PRO$_2$AIR Pre-PUR® 601





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.