



Membrane tube diffuser longer lengths for mounting without support body

### 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 Nm<sup>3</sup>/(h\*m<sub>aer.</sub>)
- 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
- 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
- customer-specific branding

Size	I.D.	Length	Weight	Order No.
(in)	(mm)	(ft)	(lb/pcs)	
2.480	2.539	6.562	0.794	622-0020-2702
2.480	2.539	16.405	1.985	622-0050-2702
2.480	2.539	32.810	3.969	622-0100-2702
2.480	2.539	65.620	7.938	622-0200-2702
2.480	2.539	82.025	9.923	622-0250-2702
2.480	2.539	98.430	11.907	622-0300-2702
2.480	2.539	131.240	15.656	622-0400-2702
2.480	2.539	164.050	19.845	622-0500-2702

Positive and negative pressure ratings are the recommended maximum operating values. Products can be manufactured to meet higher operating values upon request. The bend radius is calculated from the center of the hose in an arched position. Additional information at [www.norres.com/us/technology/](http://www.norres.com/us/technology/). NORRES reserves the right to modify technical data at any time. Technical data based on tests at 68°F and are approx. values. Proper use and maintenance of NORRES hoses is the sole responsibility of purchaser and ultimate user of the product. The individual conditions, applications and the number of variables make firm recommendations technically impossible. This information is intended as a general guide only.