

## Membrane diffuser tube

### Applications

- membrane tube diffusor, 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 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
- extremely tear-resistant and abrasion-resistant (mechanical strength around 2.5-4 times that of most of the EPDM and silicone materials)
- 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 ether-polyurethane (Pre-PUR®)
- wall thickness 0.02 in approx.

### Delivery variants

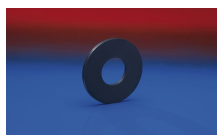
- further diameters and lengths available on request
- transparent (standard)
- special colors: full colored
- customer-specific branding

| Size  | I.D.      | Length | Ventilation length | Weight   | Order No.     |
|-------|-----------|--------|--------------------|----------|---------------|
| (in)  | (in / mm) | (in)   | (in)               | (lb/pcs) |               |
| 2.480 | 64,5      | 22.441 | 19.685             | 0.221    | 630-0570-2702 |
| 2.480 | 64,5      | 32.283 | 29.528             | 0.331    | 630-0820-2702 |
| 2.480 | 64,5      | 42.126 | 39.370             | 0.441    | 630-1070-2702 |

## Accessories



CONNECT 229



CONNECT 683



CONNECT 685



CONNECT 684



CLAMP 682