

# Envicon EMR Membrane Tube Diffusers

## Silicone AeroSil



ENVICON EMR membrane tube diffusers are quality products manufactured in Germany. Sophisticated membrane mixtures, a modern production process, together with optimised fine-bubble perforation guarantee a high-quality product throughout their service life and durable, cost-effective operation of aeration systems.



ENVICON tube diffusers are available with various membrane materials and in different lengths. The support tube has been optimised for low pressure loss and is very robust. This resilient design permits operation even in very powerful flows.

### Silicone AeroSil

Plasticiser-free, platinum crosslinked.

This outstanding, plasticiser-free silicone product and is exceptionally resistant to tear propagation. It is also resistant to many oils and greases and can be used at high wastewater and air temperatures. It is made and perforated in Germany.

Its highly smooth surface makes it resistant to micro-biological growth and its metabolic products. The optimised, fine-bubble aeration ensures excellent oxygenation.

The membrane is fastened to the support tube using stainless steel clamps. The membranes fitted over the clamps provide protection during storage, transport and installation.

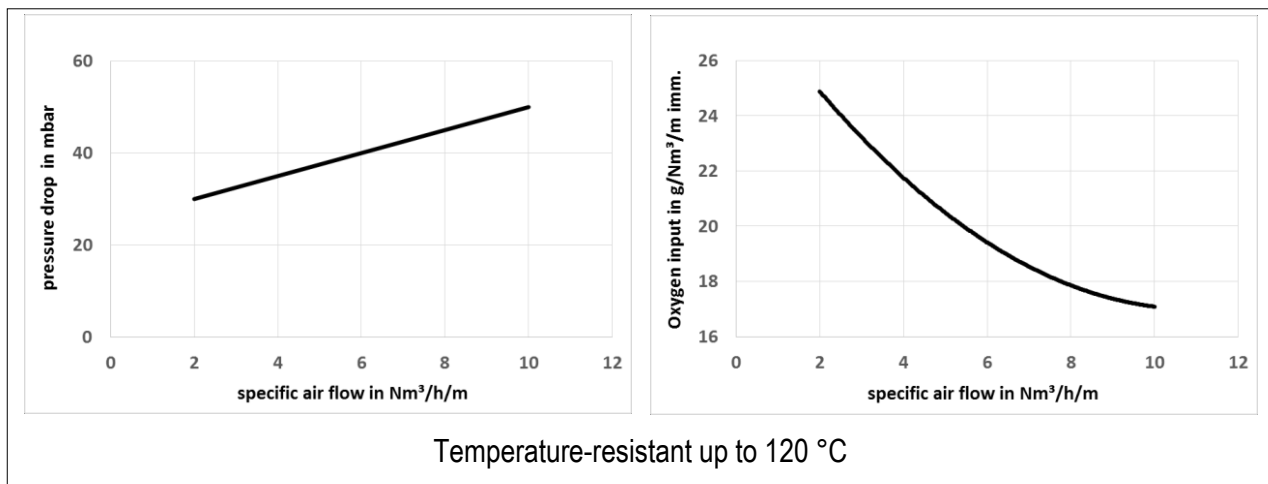


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### Technical Data

Technical data of EMR Silicone AeroSil, measured according to worksheet ATV M209 under standard conditions (pure water, water depth = 4.0 m, averaged over a density of 0.8 - 1.2 m diff./m<sup>2</sup>):



Operating Range (Nm <sup>3</sup> /h x meter diffuser length):		
Minimum (recommendation)	2	Permanent
Standard	4-6	Permanent
Maximum (specification)	10	Permanent
Maximum (specification)	12	Brief e.g. for flushing cycles

AeroSil Silicone Fine Bubble Diffusers				
Description	Effective Diffuser Length	Total Length	Maximum Operating Depth	Mantec Part Number
EMR 500 AeroSil	500 mm	545 mm	7.0 m	FGEMR0500AS
EMR 750 AeroSil	750 mm	825 mm	6.5 m	FGEMR0750AS
EMR 1000 AeroSil	1000 mm	1075 mm	6.0 m	FGEMR1000AS
EBA1	Fixing Adaptor (Single) for square or round pipe. See separate data sheet.			On request.
EBA2	Fixing Adaptor (for installation in pairs) for square or round pipe. See separate data sheet.			On request.