



$$AOTR = SOTR \times \left(\frac{\beta C_{s,T,H} - C_L}{C_{s,20}} \right) \times (1,024^{T-20}) \times (\alpha) \times (F)$$



Aquaconsult Anlagenbau GmbH
Company presentation



MISSION STATEMENT

What we stand for...

We are determined to provide products of unparalleled **HIGH QUALITY** to the water industry!

Engineering and manufacturing of **AEROSTRIP** fine bubble diffused aeration system, offering **HIGHEST EFFICIENCY** and **LONGEST SERVICE LIFE** is our contribution to minimize energy consumption and usage of resources.



What we do
best...

CORE COMPETENCE

- **ENGINEERING** Oxygen Transfer Efficiency optimization
- **MANUFACTURING** Unparalleled quality standards
- **MATERIAL** Quality for longest service life in industry
- **MAINTENANCE** Long term experience
- **DEVELOPMENT** Solutions - in tune with the times

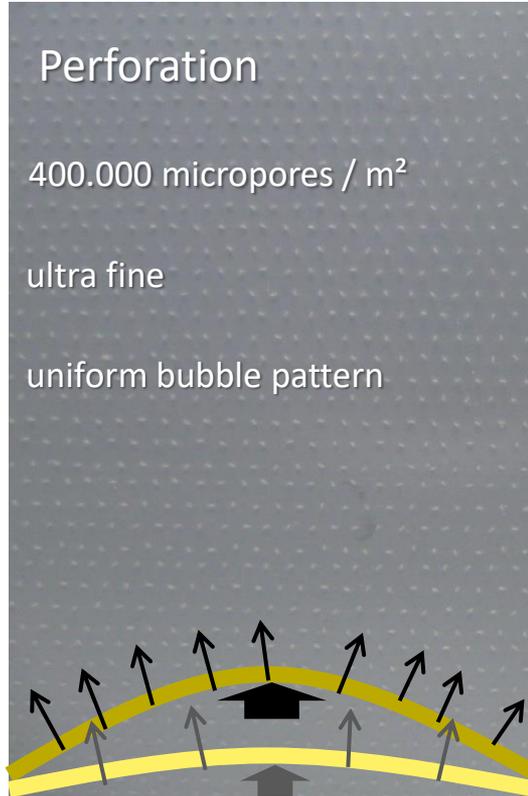
ENGINEERING

Perforation

400.000 micropores / m²

ultra fine

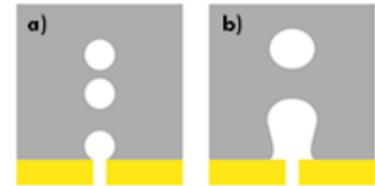
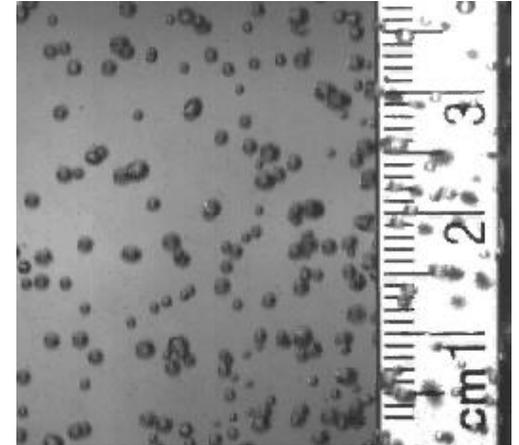
uniform bubble pattern



Focus on Fine Bubbles

- high active surface
- low rising speed
- longer exposure to water
- uniform bubble pattern
- big air flux range
- high turn down ratio

active pores at high flux
active pores at low flux



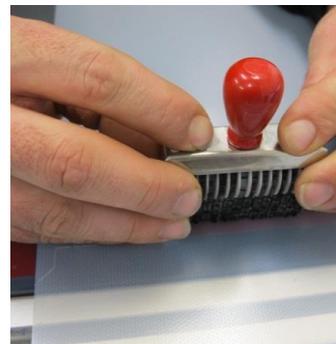
a) high surface energy b) low surface energy



MANUFACTURING

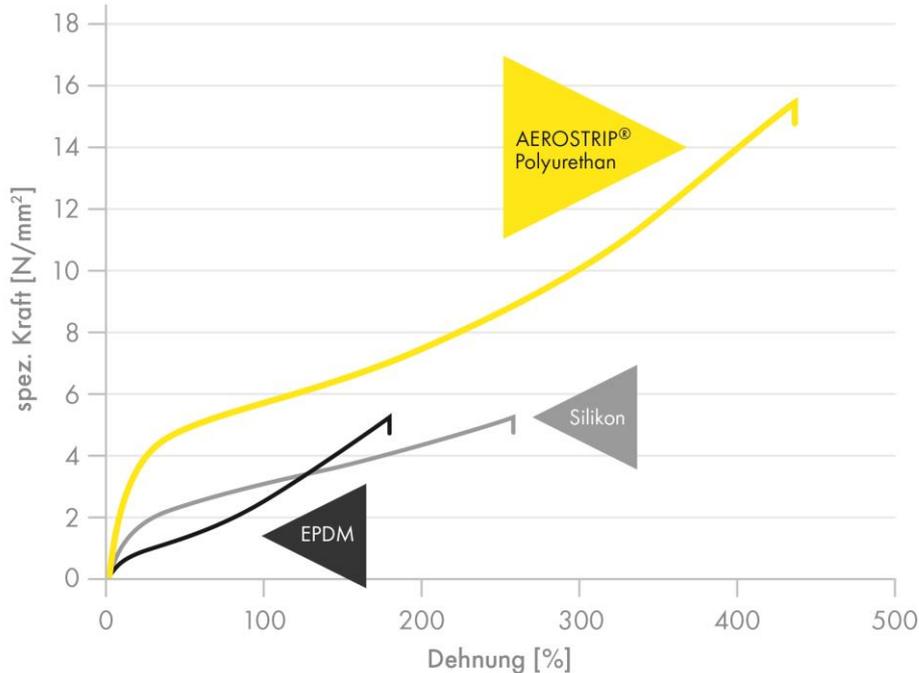
PERFORATION – AUTOMATED PRESSURE MEASUREMENT - INSPECTION

EACH
DIFFUSER HAS
ITS
INDIVIDUAL
SERIAL
NUMBER



MATERIAL

Excellent properties of MATERIAL ...100% Polyurethane

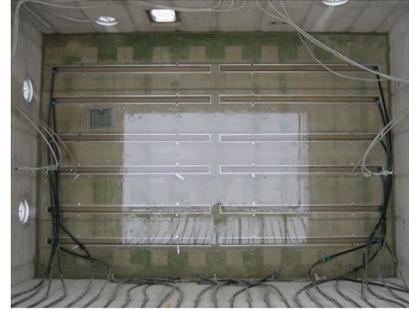


- The material itself has outstanding physical properties in terms of tensile strength and tear resistance.
- It keeps its elastic properties and related performance during service life.

POLYURETHANE MEMBRANES EMPLOY NO PLASTICIZERS FOR LONG SERVICE LIFE.

MAINTENANCE

CONSTANT HIGH OXYGEN TRANSFER EFFICIENCY



unique polyurethane membrane



ultra fine bubbles for the highest efficiency



up to 20 years lifespan



small operation expenditure



25 years of research and development



service & know-how



worldwide distribution

DEVELOPMENT



AEROSTRIP® Type T



Plug & Play installation



1980

Plate Diffusers



2000

AEROSTRIP® Type Q

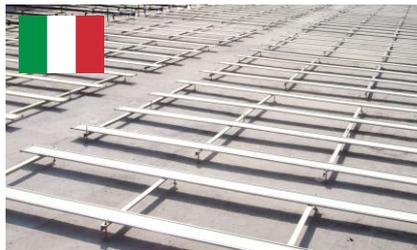


2020

3D Planning



GLOBAL SALES NETWORK





manufacturer of
AEROSTRIP®



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