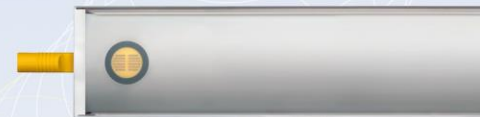




manufacturer of  
**AEROSTRIP®**



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



Aquaconsult Anlagenbau GmbH

Company presentation



## MISSION STATEMENT

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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

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- **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

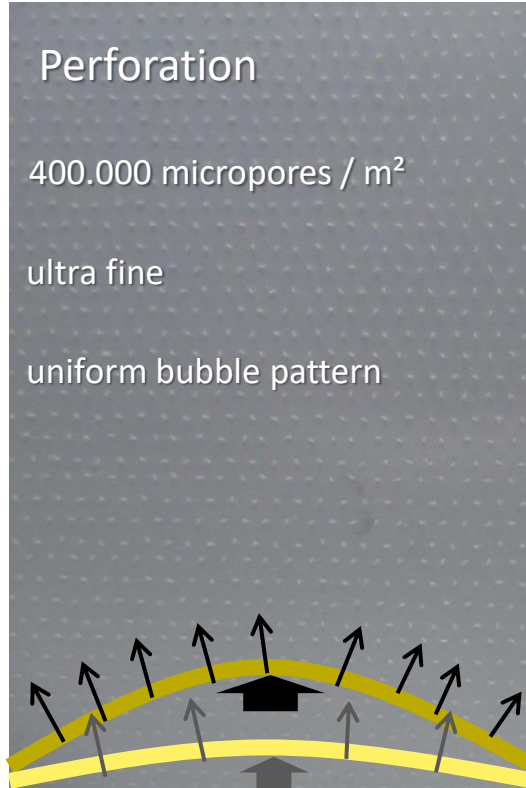
# ENGINEERING

## Perforation

400.000 micropores / m<sup>2</sup>

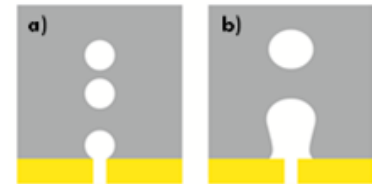
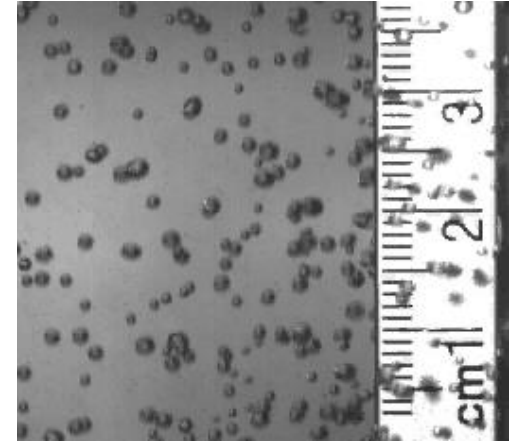
ultra fine

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



a) high surface energy

b) low surface energy

active pores at high flux  
active pores at low flux

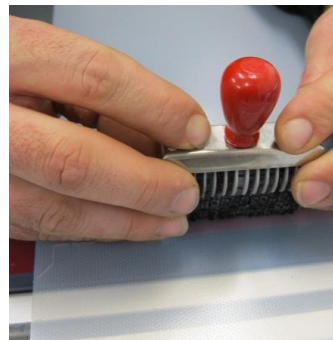




# MANUFACTURING

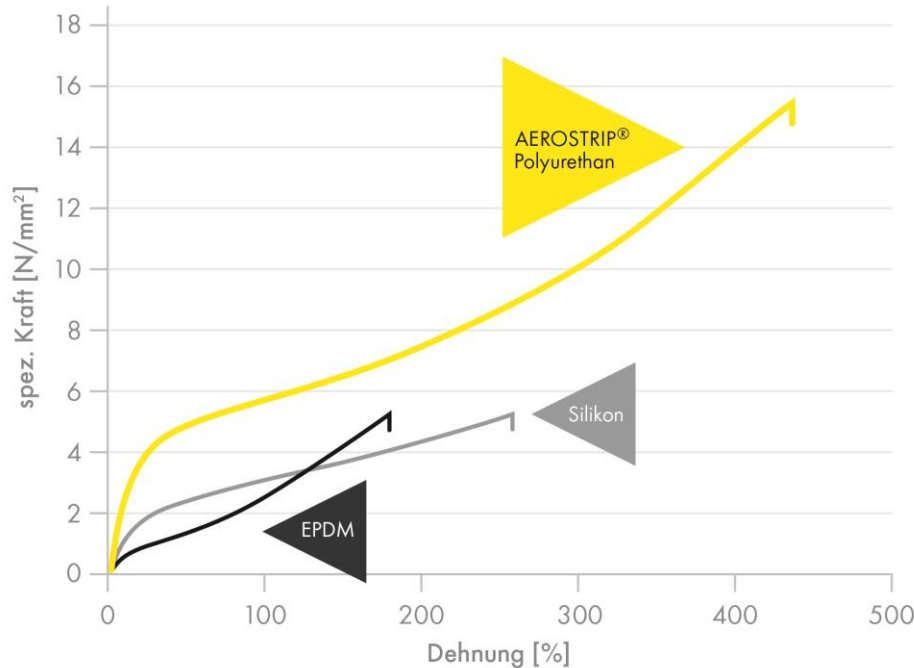
PERFORATION – AUTOMATED PRESSURE MEASUREMENT - INSPECTION

EACH  
DIFFUSER HAS  
ITS  
INDIVIDUAL  
SERIAL  
NUMBER



# MATERIAL

## Excellent properties of MATERIAL ...100% Polyurethane

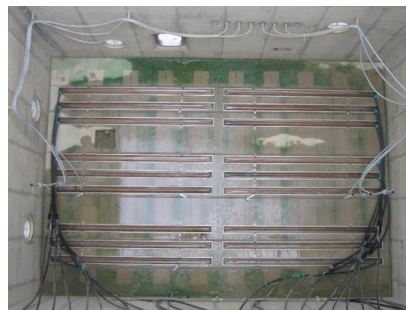
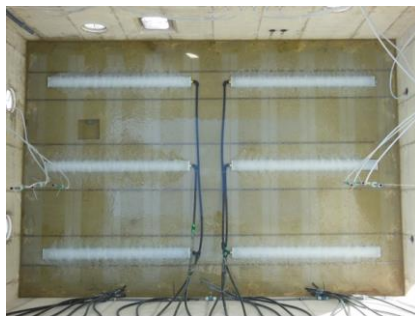
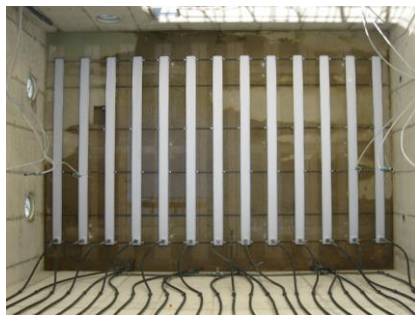


- The material itself has outstanding physical properties in terms of tensile strength and tear resistance.
- It keeps its elastic properties and related performance during service life.

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



1980

Plate Diffusers



AEROSTRIP® Type T

1990



2000

AEROSTRIP® Type Q



Plug & Play installation

2010



2020

3D Planning





# GLOBAL SALES NETWORK





AQUA  
CONSULT

manufacturer of  
AEROSTRIP®



AQUA  
CONSULT



AQUA  
CONSULT

Aquaconsult Anlagenbau GmbH - Germany  
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