



ACCESSORIES

For the assembling of complete aerators



1-ear clamps made of stainless steel

Qualities:

- V2A [Item 1.4301]
- V4A [Item 1.4571]

Bundle width:

- 7 mm / 9 mm



Mounting key for aeration tubes

- Rim width 60 mm

Pincers for mounting the tube clamps



Stainless steel tube connector

Qualities:

- V2A [Item 1.4301]
- V4A [Item 1.4571]

Dimensions:

- 1 inch / 3/4 inch

Standard lengths:

- 100 mm, 108 mm, 115 mm
- 127 mm, 147 mm, 167 mm
- 176 mm, 208 mm

* all other intermediate lengths are available on request



SCHÜTH – ENVIRONMENTAL TECHNOLOGY

Would you like to find out more about Schüth environmental technology and our aeration elements?

We would be pleased to advise you on your specific aeration application and offer you sampling on request. Close cooperation with our customers is very important to us.

We are happy to help you to find a solution for your needs.



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Wastewater aeration in ENVIRONMENTAL TECHNOLOGY



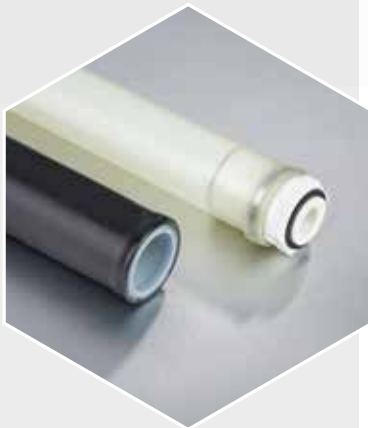
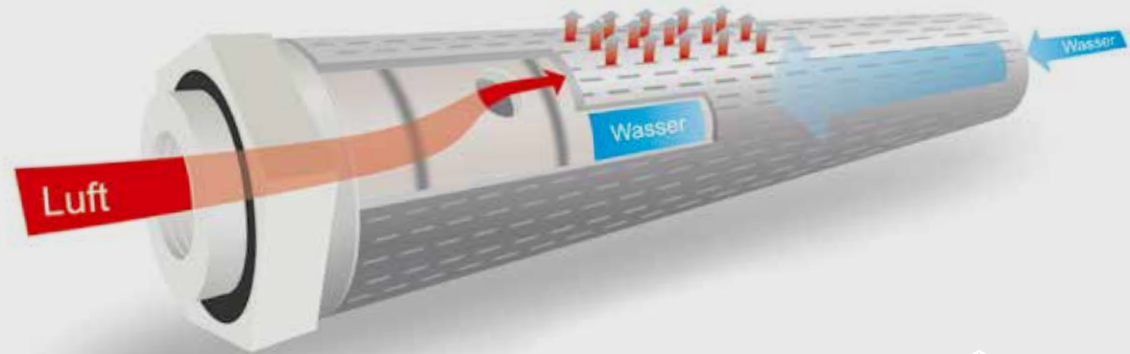
Complete aerators and replacement membranes
for modern water and wastewater technology



AERATION TUBES

Aeration tubes are indispensable in the field of environmental technology, since they can be used flexibly and guarantee uniform and constant surface aeration.

Depending on the composition of the wastewater, proven EPDM qualities in both sulphur and peroxide linked variants are used. The slot patterns we embedded in our tubes using our know-how are the reason for the constant bubbles. The quality and processing of the individual components is just as crucial. For us, the „Made in Germany“ stamp still carries weight. Through close cooperation with our partners from Germany, we ensure excellent quality and equally excellent processing of the materials.



Advantages:

- Available in nearly all lengths and diameters for self-assembly
- Or as a complete system, pre-assembled on PP carrier tubes Ø 63mm each with 2 pieces of 1-ear V2A tube clamps.
 - Microbial resistant EPDM quality
- Platinum linked silicone quality for wastewater with strongly displaced oils and fats among other things
 - NBR quality for special requirements
- Every 50th tubular aerator is tested for bubbles, pressure loss, shore hardness and wall thickness in our developed water basin
 - Test reports on request upon delivery

Areas of use:

- Wastewater treatment plants in municipal and industrial areas
- Aquacultures
- Rivers and lakes
- Waste and seepage water disposal sites
- Commercial wastewater treatment plants
 - Brewing and beverage industry
 - Food industry
 - Dairy industry
 - Chemical and pharmaceutical industries
 - Oil refineries
 - Paper industry
 - Leather industry
 - Slaughterhouses



SEAMLESS AND IN ONE PIECE

In close cooperation with our long-standing partner, we have succeeded in developing a connection head, which can be injection moulded in a single mould, thus avoiding the weak points of weld seams or other connection possibilities.

Advantages:

- No sensitive fracture points
- Easy assembly by means of adapted dimensions in the bundle
- Security

Thus, we can provide an optimal solution which accommodates the alternating tensile and compressive loads, for example in clarification tanks, without the risk of fractures. The aeration tube consists of a perforated tubes, a polypropylene support tube, two V2A tube clamps, two O-rings made of EPDM and a flat gasket (grooved) made of EPDM. Thanks to this design, we have a simple and straightforward installation, which meets all requirements and demands.

Our dimensions:

Gassing	Tube length	Tube material	Diameter	Wall	Shore
500 mm	540 mm	EPDM, silicone	64,5 ± 0,70	1,7 ± 0,20	50° EPDM / 60° silicone
			66,5 ± 0,70	1,7 ± 0,20	50° EPDM / 60° silicone
			71,5 ± 0,70	1,7 ± 0,20	50° EPDM / 60° silicone
			92,0 ± 1,25	1,8 ± 0,25	50° EPDM / 60° silicone
			108,0 ± 1,50	1,8 ± 0,30	50° EPDM / 60° silicone
750 mm	790 mm	EPDM, silicone	64,5 ± 0,70	1,7 ± 0,20	50° EPDM / 60° silicone
			66,5 ± 0,70	1,7 ± 0,20	50° EPDM / 60° silicone
			71,5 ± 0,70	1,7 ± 0,20	50° EPDM / 60° silicone
			92,0 ± 1,25	1,8 ± 0,25	50° EPDM / 60° silicone
			108,0 ± 1,50	1,8 ± 0,30	50° EPDM / 60° silicone
1.000 mm	1.040 mm	EPDM, silicone	64,5 ± 0,70	1,7 ± 0,20	50° EPDM / 60° silicone
			66,5 ± 0,70	1,7 ± 0,20	50° EPDM / 60° silicone
			71,5 ± 0,70	1,7 ± 0,20	50° EPDM / 60° silicone
			92,0 ± 1,25	1,8 ± 0,25	50° EPDM / 60° silicone
			108,0 ± 1,50	1,8 ± 0,30	50° EPDM / 60° silicone

* desired intermediate lengths and dimensions available on customer request
* pressure losses are continuously determined, stored and communicated on request
* technical data sheets are immediately available on request

Drilling dimensions

Bundle ø	Drilling open beam ø	Thread
39,5 mm	40 mm	1/2 inch, 3/4 inch, 1 inch
42,5 mm	43 mm	1/2 inch, 3/4 inch, 1 inch
44,5 mm	45 mm	1/2 inch, 3/4 inch, 1 inch

* intermediate dimensions with smooth bundle sealed to ø 63mm, outer dimensions



AERATION DISCS

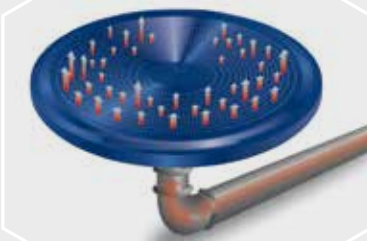
The aeration discs offer an alternative to the aeration tubes, which can ideally be used in all modern water aeration processes.

We reach our customers worldwide and supply high quality materials made of EPDM and silicone.

Our company stands for absolute top quality. The material combinations represent our know-how. Together with well-known development partners and rubber processors, the processed materials have been continuously optimised and adapted according to requirements.

Our products not only stand out qualitatively, but also meet the requirements (chemically, physically and mechanically).

Schüth aeration discs are characterised by high resistance to corrosion and ageing, which means safety for long, fault-free operation.



The punched patters bring the effectiveness into the system and lead to savings and excellent bubbles. We offer customer-specific developments and look for the right solution in our competence network.

Cost advantages through energy efficiency and longevity:

- Fine blown gassing with extremely low pressure loss
 - Highly effective oxygen utilisation over the entire aerator surface
- Flexibility and optimal adaptation to the aeration requirements and the aeration area
- Bubbles provides excellent and efficient aeration of the wastewater
 - High resistance to corrosion and ageing in the water basin
 - Test reports on request upon delivery

