

Silicone Aerators and membranes

Characteristics

Silicone, is plasticizer-free and has a smooth surface. These two properties ensure that silicone is used where EPDM is not the first choice due to its chemical composition.

Scope of application

Aerators / membranes for the intermittent and continuous operation.

Mounting on square tube 60 - 100 mm with 45 mm hole.

Mounting on round tube 60 - 1000 mm

Brief description

Silicone tube aerators selectable in lengths of 500/750/1000 mm

Diameter 65 or 90 mm with 45 mm centering ring and ¾ " / 1"

Internal thread Fixing via quick connector or tube double nipple to square tube, mounting on round tube possible

Aerator	Ø	Length	Outgassing Length	Gassing Area	Boost	Weight
S500+	65 mm	530 mm	500 mm	0,09 m ²	6,4 N	754 g
S750+	65 mm	780 mm	750 mm	0,13 m ²	6,4 N	979 g
S1000+	65 mm	1030 mm	1000 mm	0,18 m ²	6,4 N	1304 g

Aerator	Ø	Length	Oztgassing Length	Gassing Area	Boost	Weight
S500/90	90 mm	530 mm	500 mm	0,13 m ²	8,5 N	956 g
S750/90	90 mm	780 mm	750 mm	0,19 m ²	8,5 N	1356 g
S1000/90	90 mm	1030 mm	1000 mm	0,26 m ²	8,5 N	1806 g

Technical Data

Shore A- hardness		60° ± 5°
Colour	Transparent	
tear strength		10N/mm ²
elongation at break	500%	
Tear propagation resistance	38N/mm ²	
temperature resistance	200° C	
short-term maximum temperature	220° C	
Compression set	52%	
biocompatible		

Membrane	Silicone 1,8 mm
Slot length	1,1 / 1,3 mm
Perforation density	15 oder 43 Slots/cm ²
Opening Pressure (WD 1,8 mm)	ca. 54 mbar
Wastewater resistance	Municipal wastewater after DWA-M 115
Temperature resistance	0 – +200° C
Aerator Impingement	Minimum: 2 Nm ³ / h x m aerator Standard: 5 Nm ³ / h x m aerator Maximum: 8 Nm ³ / h x m aerator

