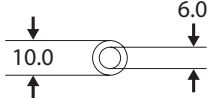

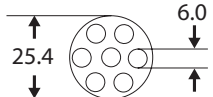

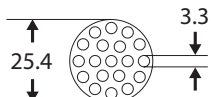
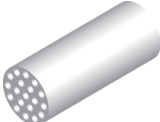
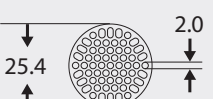

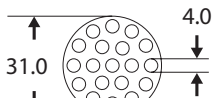
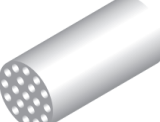




SURVEY

Technical data of atech Al₂O₃- membranes

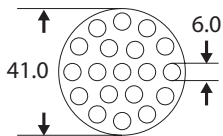
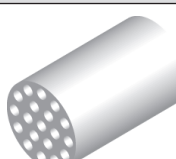
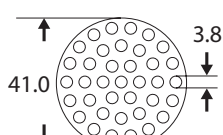
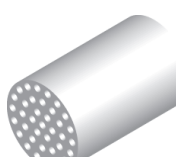
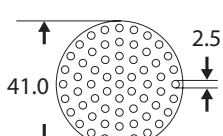
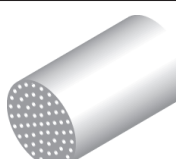
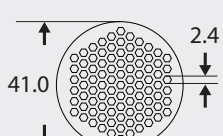

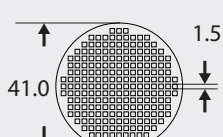

Support material	α-Al ₂ O ₃	
Membrane material	MF: α-Al ₂ O ₃ ; ZrO ₂ ; TiO ₂	UF: TiO ₂ ; ZrO ₂ ; Al ₂ O ₃
Pore diameter / Molecular Weight Cut Off	1.2; 0.8; 0.4; 0.2; 0.1 μm	0.05 μm; 150 kD; 100 kD; 25 kD; 15 kD; 5 kD; 1 kD
Overall length	up to 1500 mm	
pH- stability	0 to 14	
All membrane designs are suitable for steam sterilisation ≥ 121°C / approx 250° F.		

Type	Design (mm)	Amount of channels	Standard length (mm)*	Filter surface per element (m ²)	Illustration
1/6		1	1000	approx. 0.019	
			1200	approx. 0.023	
7/6		7	1000	approx. 0.13	
			1200	approx. 0.16	
19/3.3		19	1000	approx. 0.20	
			1200	approx. 0.24	
61/2-0		61	1000	approx. 0.426	
			1200	approx. 0.512	
19/4		19	1000	approx. 0.24	
			1200	approx. 0.29	
37/3		37	1000	approx. 0.35	
			1200	approx. 0.42	

SURVEY

Technical data of atech Al₂O₃- membranes

Support material	α-Al ₂ O ₃	
Membrane material	MF: α-Al ₂ O ₃ ; ZrO ₂ ; TiO ₂	UF: TiO ₂ ; ZrO ₂ ; Al ₂ O ₃
Pore diameter / Molecular Weight Cut Off	1.2; 0.8; 0.4; 0.2; 0.1 μm	0.05 μm; 150 kD; 100 kD; 25 kD; 15 kD; 5 kD; 1 kD
Overall length	up to 1500 mm	
pH- stability	0 to 14	
All membrane designs are suitable for steam sterilisation ≥ 121°C / approx 250° F.		

Type	Design (mm)	Amount of channels	Standard length (mm)*	Filter surface per element (m ²)	Illustration
19/6		19	1200	approx. 0.43	
			1500	approx. 0.54	
37/3.8		37	1200	approx. 0.53	
			1500	approx. 0.67	
61/2.5		61	1200	approx. 0.58	
			1500	approx. 0.72	
91/2.4		91	1200	approx. 0.90	
			1500	approx. 1.13	
208/1.5		208	1200	approx. 1.50	
			1500	approx. 1.88	

SURVEY

Technical data of atech Al₂O₃- membranes

Support material	α-Al ₂ O ₃	
Membrane material	MF: α-Al ₂ O ₃ ; ZrO ₂ ; TiO ₂	UF: TiO ₂ ; ZrO ₂ ; Al ₂ O ₃
Pore diameter / Molecular Weight Cut Off	1.2; 0.8; 0.4; 0.2; 0.1 μm	0.05 μm; 150 kD; 100 kD; 25 kD; 15 kD; 5 kD; 1 kD
Overall length	up to 1500 mm	
pH- stability	0 to 14	
All membrane designs are suitable for steam sterilisation ≥ 121°C / approx 250° F.		

Type	Design (mm)	Amount of channels	Standard length (mm)*	Filter surface per element (m ²)	Illustration
19/8		19	1200	approx. 0.57	
			1500	approx. 0.72	
37/5.7		37	1200	approx. 0.80	
			1500	approx. 1.00	
61/4		61	1200	approx. 1.03	
			1500	approx. 1.29	
85/3.3		85	1200	approx. 1.06	
			1500	approx. 1.32	
211/2		211	1200	approx. 1.59	
			1500	approx. 1.99	

***other lengths on request**

General information

atech tubular ceramic membranes meet regulatory requirements for food contact according European Regulation no. 1935/2004 and FDA requirements 21 CFR, 170-199.

atech crossflow membranes modules are authorized to bear the 3-A symbol for complying fully with the 3-A Sanitary Standard (certificate no. 3674)