



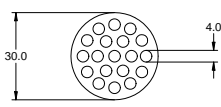

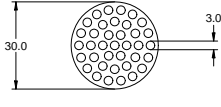

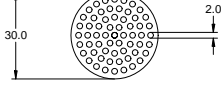

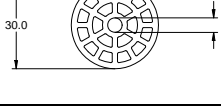

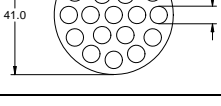
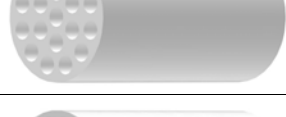
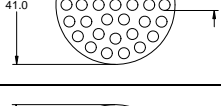
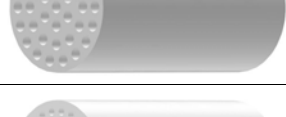
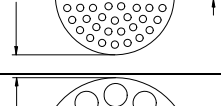

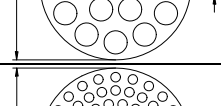

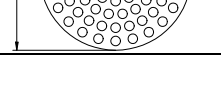
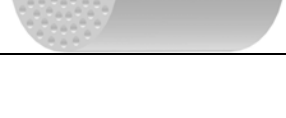
Technical Data of Multichannel Tubular Ceramic Membranes

Support material	$\alpha\text{-Al}_2\text{O}_3$	
Membrane material	MF: $\alpha\text{-Al}_2\text{O}_3$; ZrO_2 ; TiO_2	UF: ZrO_2 ; TiO_2 ; Al_2O_3
Mean pore diameter	0.8; 0.5; 0.2; 0.1 μm	50; 40; 30; 20; 10; 8; 4nm
Overall length	up to 1500mm	
PH-stability	0 up to 14	

Type	Geometry (mm)	Amount of channels	Length (mm)	Filter surface per element (m^2)	Illustration(shortened)
CMF01060		1	1000	approx. 0.019	
			1040	approx. 0.020	
			1200	approx. 0.023	
CMF01080		1	1000	approx. 0.025	
			1040	approx. 0.026	
			1200	approx. 0.031	
CMF01160		1	1000	approx. 0.051	
			1040	approx. 0.053	
			1200	approx. 0.062	
CMF07060		7	1016	approx. 0.13	
			1178	approx. 0.16	
			1500	approx. 0.20	
CMF19033		19	1016	approx. 0.20	
			1178	approx. 0.23	
			1500	approx. 0.29	
CMF37020		37	1016	approx. 0.23	
			1178	approx. 0.28	
			1500	approx. 0.35	
CMF09060S		9	1016	approx. 0.17	
			1178	approx. 0.20	
			1500	approx. 0.25	
CMF07070		7	1100	approx. 0.17	
			1200	approx. 0.19	
			1500	approx. 0.23	

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Mean pore diameter	0.8; 0.5; 0.2; 0.1 μm	50; 40; 30; 20; 10; 8; 4nm
Overall length	up to 1500mm	
PH-stability	0 up to 14	

Type	Geometry (mm)	Amount of channels	Length (mm)	Filter surface per element (m^2)	3D Illustration(shortened)
CMF19040		19	1100	approx. 0.26	
			1200	approx. 0.29	
			1500	approx. 0.37	
CMF37030		37	1100	approx. 0.38	
			1200	approx. 0.42	
			1500	approx. 0.53	
CMF61020		61	1100	approx. 0.42	
			1200	approx. 0.46	
			1500	approx. 0.57	
CMF19050S		19	1100	approx. 0.32	
			1200	approx. 0.35	
			1500	approx. 0.43	
CMF19060		19	1000	approx. 0.39	
			1200	approx. 0.43	
			1500	approx. 0.53	
CMF37038		37	1000	approx. 0.49	
			1200	approx. 0.53	
			1500	approx. 0.67	
CMF61025		61	1000	approx. 0.53	
			1200	approx. 0.58	
			1500	approx. 0.72	
CMF19080		19	1000	approx. 0.53	
			1200	approx. 0.58	
			1500	approx. 0.72	
CMF85033		85	1000	approx. 0.98	
			1200	approx. 1.07	
			1500	approx. 1.33	