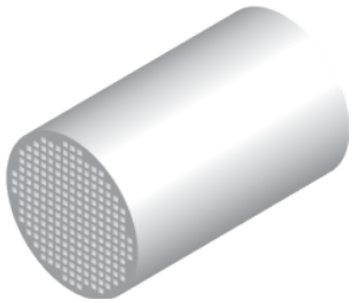
Atech ceramic membrane 208/1.5

Tubular ceramic membrane element for microfiltration (MF) and ultrafiltration (UF).
Manufacturer: atech innovations gmbh, Germany.



Channels **208 × 1.5 mm**	Outer diameter **41 mm**
Area at 1200 mm **1.5 m²**	pH range **0 to 14**

Design	208 channels, channel diameter 1.5 mm
Outer diameter	41.0 mm (±1 mm)
Membrane area, 1200 mm	approx. 1.5 m² per element *
Membrane area, 1500 mm	approx. 1.88 m² per element *
Other lengths	On request, up to 1500 mm
Processes	Microfiltration (MF) and ultrafiltration (UF)
MF pore sizes	1.2, 0.8, 0.4, 0.2 and 0.1 µm; membrane layer α-Al_2O_3, ZrO_2 or TiO_2
UF pore size / cut-off	0.05 µm; 150, 100, 25, 15, 5 and 1 kDa; membrane layer TiO_2, ZrO_2 or Al_2O_3
Support material	α-Al_2O_3
pH range	0 to 14
Steam sterilisation	All designs, ≥ 121 °C
Food contact	EU Regulation 1935/2004 and FDA 21 CFR 170-199
Module sizes	M1, M3, M7, M12, M19, M27, M32, M46
Housings	Stainless steel 316L / 316Ti, PN 10 at 110 °C; industrial design (O-ring) or sanitary LM design (cone seal). PVC-C housing for one element: PN 10, max. 80 °C

* Area per element from the Atech housings data sheet (04/2024) and the Atech website; the membrane overview (06/2024) lists 1.03 / 1.29 m².

Filter area of a module = number of elements × area per element (e.g. module M7 with seven elements).