

POSEIDON – ONE-STEP ION AND PARTICLE FILTRATION
POSEIDON – The Ion Exchange Viscose Fibre

POSEIDON is a viscose fibre with an incorporated cation exchange functionality which can be regenerated.

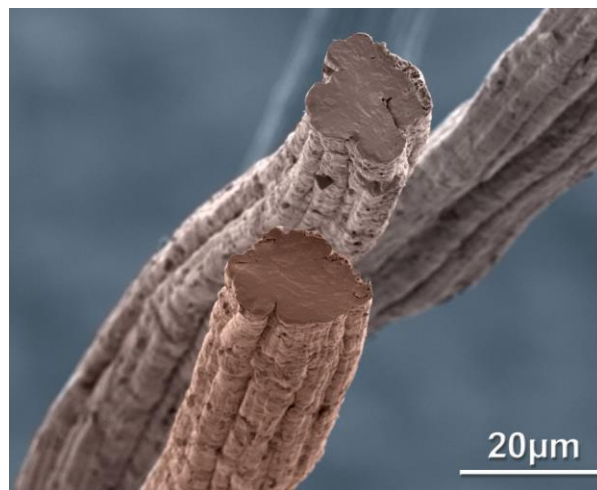
POSEIDON delivers an extremely high ion exchange rate compared to standard ion exchange resins, due to its much higher surface area.

POSEIDON gives the opportunity to combine both, particle filtration and ion exchange by using just one type of fibre in a filter medium.

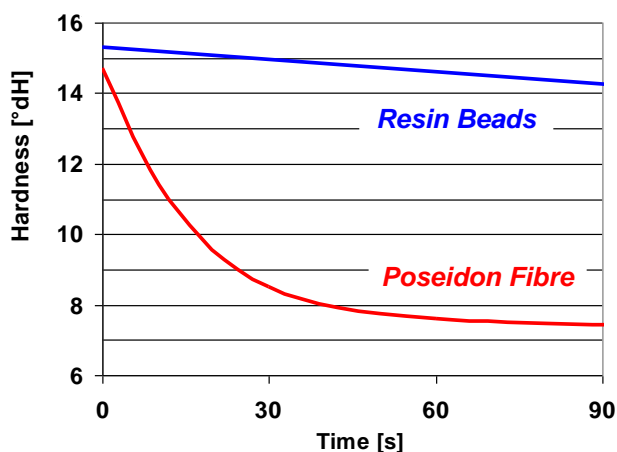
POSEIDON is suitable for a wide range of applications to remove disturbing and contaminant cations, like calcium and magnesium from hard water and heavy metals from effluents.

POSEIDON can also be loaded with active substances for controlled release in pharmaceutical application and antimicrobial activity.

POSEIDON can be converted to nonwovens with standard production equipments and processes.

Cross-Section of POSEIDON

Availability

Decitex	Cutting length (mm)	Wet Short Cut (mm)
3,3 / 9,0	30 / 40 / 60	3 / 4 / 5 / 6 / 8 / 10 / 12

Water Softening

Property Profile

Fibre property	Unit	POSEIDON
Ion Exchange Capacity	mmol/g	1,55
Ionic Form		Na ⁺
Functional Group		Sulfonic
Tenacity	cN/tex	8
Elongation At Break	%	17
Appearance		Pale Beige

For more information about our products please email to: sales@kelheim-fibres.com or call Germany +49 9441 99-519. Please visit also our website: www.kelheim-fibres.com

07/2018