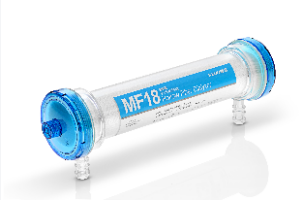
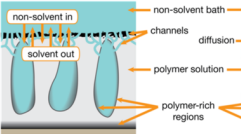
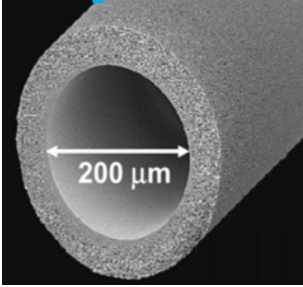


Polymer solution spinning (NIPS)

APPLICATIONS	THEORY, KNOWLEDGE, & MODELS	CAPABILITIES
Hemodialysis 	Wastewater Treatment 	NIPS process - basics, formulations, applications  characterization (+focus on hemo) *Nips Hollow-fiber Spinning - MF/UF/NF/RO fiber membranes  ✓ Two mixing-tank systems for Sulfone & PVDF ✓ Homogenous & Supported HF Spinning ✓ Trustech Nozzle 0.4/0.7/1.2 mm ✓ Max. Take-up Speed 100m/min 
Drinking-water Purification 	Biopharma Separation 	
Gas Separation 	Food & Beverage filtration blocked URL	*Nips Hollow-fiber Spinning - Sulfone Hemodialysis membranes  ✓ Two mixing-tank systems for Pellet and Powder Sulfone ✓ ISCO dual pumps for precise Bore/Dope-flow control ✓ Kesen Nozzle 0.18/0.28/0.4 mm ✓ Max. Take-up Speed 45m/min 