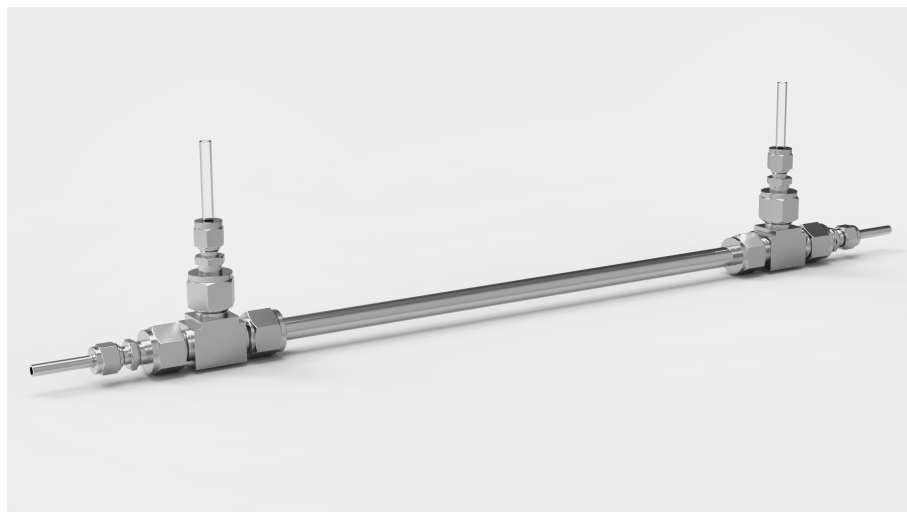
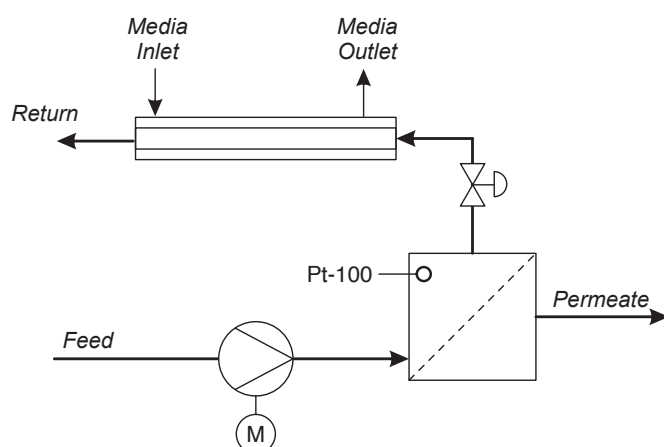


Tube-in-Tube Cooler/Heater



Tube-in-tube heat exchanger for temperature control of laboratory test cells when operated with an external pump. The heat exchanger enables controlled heating or cooling of the circulating medium during filtration and testing operations.



The tube-in-tube heat exchanger enables controlled heating or cooling of the circulating feed stream during membrane filtration experiments. A temperature-controlled medium flows through the outer tube, while the process fluid passes through the inner tube in a closed circulation loop. This arrangement allows precise adjustment and stabilization of the process temperature directly at the membrane test cell. The system is particularly suitable for laboratory-scale membrane processes operated with an external pump and recirculation loop.

Brief Specification

Inner tube	Stainless steel (316L), 6x1
Outer pipe	Stainless steel (316L), 12x1
Product connections	Swagelok 6mm
Connections for media (hot water, cooling water)	Swagelok 6mm
Length	Freely selectable