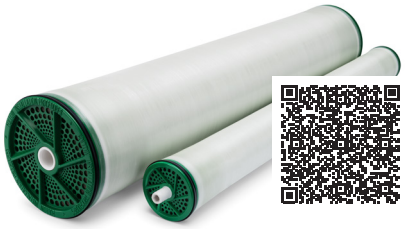
MANN+HUMMEL
Water & Membrane Solutions

Our broad portfolio delivers the widest range of membrane and filter solutions for all your water and fluid filtration needs.

MICRODYN RO/NF WATER SPIRALS

MICRODYN seawater and brackish water reverse osmosis (SWRO/BWRO) elements offer the perfect combination of salt rejection and energy consumption for desalination, surface and groundwater treatment, and water reuse. They are ideal for drinking and process water applications, particularly where robustness and purity are vital, such as in the semiconductor and pharma industries as well as in zero-liquid discharge (ZLD) applications.





PUREULTRA II UF

PureULTRA II hollow-fiber ultrafiltration modules provide large-capacity treatment for both municipal and industrial applications, including RO pre-treatment. Known for superior performance and reliability, they comply with the Ministry of Health (China) as well as NSF 61 and NSF 419 certifications for drinking water.

ISEP AND SPIRASEP UF

iSep and SpiraSep low-fouling UF membranes are ideal for harsh feed waters with high total suspended solids (TSS; up to 1,000 ppm) as well as fat, oil and grease (FOG; up to 100 ppm). Their versatility and cost effectiveness make them reliable choices for produced water, industrial wastewater treatment, and other harsh applications.





AQUADYN UF

AQUADYN UF modules are tailor-made for challenging feed waters containing small traces of fats, oils, and grease (FOG; up to 15 ppm). Their hydrophilic, low-fouling membrane delivers efficient, high-flux filtration and a clean permeate stream, making them ideal for complex water purification challenges.

FILTER LINE PRE-FILTRATION

Designed for various feed water sources—from surface and well water to seawater and wastewater—the FILTER line offers high-performance pre-treatment solutions that can be seamlessly integrated into water treatment processes to improve efficiency and extend membrane service life.



Leadership in Filtration

MANN+HUMMEL

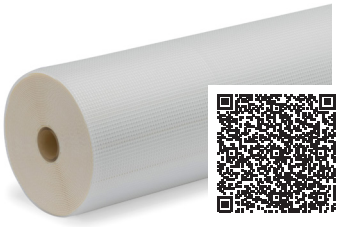


TURBOCLEAN MEMBRANE ELEMENTS MF/UF/RO/NF

TurboClean elements, available with all membrane types (RO, NF, UF, MF), support demanding process applications that require concentrating, separating, or clarifying fluids. These membranes deliver greater energy savings, use significantly less water during cleaning, offer exceptional durability, and are easy to install. TurboClean elements are widely used in the food and beverage market, covering all applications that can benefit from a full-fit element design.

TRISEP DS MF/UF/RO/NF

TRISEP DS spiral-wound sanitary elements are robustly built for long, stable performance in food, dairy, and beverage applications. Configurations are fully customizable, and their compliant sanitary design minimizes contamination and bacterial growth, ensuring reliability across demanding process separations.





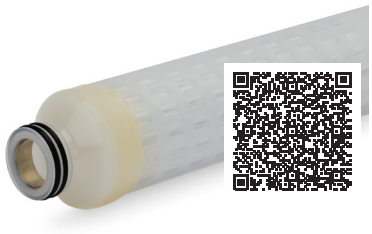
SEPRODYN UF

SEPRODYN crossflow UF modules deliver stable, high-flux filtration, separating suspended solids above 0.05 microns via the highly porous polyvinylidene difluoride (PVDF) membrane. The durable polypropylene support ensures chemical stability across pH 0–13 and long service life, while the 5.6-mm inner tube design handles high solids content up to 20,000 ppm and COD up to 10,000 ppm.

ULTRADYN UF

ULTRADYN hollow-fiber modules excel in the recovery and separation of highly valuable process streams, making them ideal for pure water, pharmaceuticals, and electronics processes. With a 6,000-Dalton molecular weight cut-off (MWCO), ULTRADYN effectively removes endotoxins, pyrogens, and bacteria. Their backwashable membranes, hot-water-sanitizable design, and multiple material options deliver reliable purification across demanding applications.





MICRODYN MD MF

MICRODYN capillary microfiltration (MF) modules can separate suspended solids above 0.2 microns with stable flux and low energy demand. Their strong chemical resistance and well-defined flow paths make them ideal for food processing, pharmaceutical clarification, and biomass removal.

FLATSHEET AND CUSTOM MODULES

We provide customized TRISEP and NADIR flatsheets in various membrane types (RO, NF, UF, and MF) tailored to specific process requirements. These options enable unique system designs, giving customers flexibility to optimize performance for demanding or specialized applications.



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