Advanced Material Solutions for Reverse Osmosis

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SWM™ supports the global water filtration industry by providing a full range of media including the most innovative feed spacers, membrane backing papers, permeate core tubes, and custom CNC-machined parts. Producers of spiral wound membranes trust SWM to provide high quality specialty materials for Reverse Osmosis (RO) and other filtration applications:

### Residential & Commercial
- Home reverse osmosis (HRO)
- Point-of-use
- Dispensing equipment
- Small water systems

### Municipal & Industrial Water
- Reverse osmosis
- Nanofiltration
- Desalination & brackish
- Wastewater

### Industrial Process Filtration
- Microfiltration
- Ultrafiltration
- Food & dairy
- Life sciences

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### Our Products

#### Naltex Feed Spacer
Our premier line of Naltex™ Feed Spacers support and protect thin film composite (TFC) membranes in RO spiral wound element filters. Filtration manufacturers around the world seeking high performance feed spacers turn to our full line of custom designed diamond netting with varying geometries, specialty resins and optimal flow characteristics. Naltex Feed Spacers are used in nearly all TFC membrane filtration applications, ranging from HRO to municipal water and industrial process filtration.

- Thickness: 10 to 135 mils
- Roll Width: 8” to 40” (20 to 102cm)
- Resins: PP, PP/PE, PBT, Nylon, LDPE, HDPE

#### Revonex Membrane Backing Paper
Revonex™ Membrane Backing Paper is highly engineered, wet laid synthetic support for casting RO membranes. Each roll has a lay flat, smooth surface that is resistant to curling and does not cause membrane pin holes. Each roll is stringently tested to ensure a high level of consistency, leading to excellent adhesion and overall superior runnability. Extended roll lengths are available to minimize changeovers, thereby improving production efficiency.

- Weight: 50 to 100 gsm
- Thickness: 60 to 120 μm
- Resin: Polyester

#### Coretec Permeate Tubes
Coretec™ high performance permeate tubes are made from engineering grade resins and are custom designed to deliver unmatched performance and quality. Coretec permeate tubes are used in a wide variety of spiral wound membrane filters ranging from small HRO products up to large volume municipal and industrial membrane systems used in water and process filtration applications.

- Element Dia: 1.8” to 16” (4.6 to 41 cm)
- Tube Lgth: 12” to 60” (30 to 152 cm)
- Resins: ABS, PVC, PSU, PPO, CVPC
- Metals: Stainless steel grades

#### Coretec Machined Parts
Coretec machined parts are made from engineering grade materials and are custom designed to deliver unmatched performance and quality. Uses include a wide variety of spiral wound membrane filters ranging from small HRO to large volume municipal and industrial membranes for both water and process filtration applications.

- Design: Customer-specific
- Resins: PP, PP/PE, PBT, Nylon, LDPE, HDPE
- Metals: Stainless steel grades

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Reverse osmosis is a critical part of the world’s water supply, and for most RO plants, the key word is energy. Given the tremendous volume of water processed by RO plants, as well as the extremely high energy costs, even small improvements in efficiency can translate into large savings or increased product water output. You can trust SWM to provide the highest quality media options to minimize pressure drop, biofouling, and overall energy needs. The SWM feed spacers, membrane backing substrates, permeate core tubes, and machined parts work together to provide energy savings for spiral wound membrane producers.

A Full Range of Products for RO Spiral Wound Membranes

- Coretec™ Permeate Tubes
- Naltex™ Feed Spacer
- Revonex™ Membrane Backing Paper
- Coretec™ Machined Parts
About SWM

SWM is a leading global performance materials company. Our highly engineered papers, films, nets and nonwovens are designed and manufactured using natural fibers and polymers for a variety of industries and applications. We provide our customers with essential components that enhance the performance of their products. End markets served include filtration, transportation, infrastructure and construction, medical, industrial, tobacco, energy, food services and home décor.

SWM and its subsidiaries manufacture on four continents, conduct business in over 90 countries and employ approximately 5,000 people worldwide. For further information, please visit our web site at www.swmintl.com.