Dow Water & Process Solutions offers the most widely used reverse osmosis and nanofiltration technologies in the world – trusted by municipalities, industries of all types, small businesses and families wanting clean, healthy water at home. With Dow, you can expect industry-leading reliability, exceptional cleanability, and high permeate quality, supported by expert regional technical service.
Dow’s global knowledge and local expertise in industrial water treatment is making a difference for companies like yours everywhere.

From boiler feed water to cooling water and wastewater reuse, we offer an improved industry-leading portfolio that facilitates consistent and sustainable quality with improved economics to save you money, prevent operational challenges and better manage your overall water resources.
Cooling Tower Water

DOW FILMTEC™ Elements offer a full range of high-productivity and recovery reverse osmosis and nanofiltration membranes offering efficient contaminants removal and demineralization to minimize water intake, upstream need of chemicals, overall energy consumption and increase the number of cooling tower cycles.
Boiler Feed Water

DOW FILMTEC™ Elements offer a full range of high-productivity, high-rejection and fouling resistance reverse osmosis and nanofiltration membranes. They offer high water purity while minimizing energy consumption, scaling, fouling-causing components, down-stream need of chemicals and reducing ions from the steam cycles.
Wastewater

Increasing water scarcity and more stringent regulatory requirements are pushing industrial users to provide reliable wastewater treatment and reuse operation with minimal water footprint. Dow offers a strong technology portfolio and deep application know-how to help overcome these challenges and successfully meet your business and compliance goals.
CHALLENGING FEEDWATER

DOW FILMTEC™ BW30XFR-400/34
IDEAL for low energy consumption in challenging brackish water feed

DOW FILMTEC™ BW30XFRLE-400/34
IDEAL for low energy consumption in challenging brackish water feed

DOW FILMTEC™ FORTILIFE™ CR100
IDEAL for biological fouling relief to systems treating highly contaminated waters

DOW FILMTEC™ BW30-400/34
IDEAL for low CAPEX system for challenging brackish water feed

DOW FILMTEC™ BW30-365
IDEAL for low unit CAPEX for challenging brackish water feed

PRETREATED FEEDWATER

DOW FILMTEC™ XLE-440
IDEAL for lowest operation expenses in controlled brackish water feed

DOW FILMTEC™ BW30HRLE-440
IDEAL for low energy consumption in controlled brackish water feed

DOW FILMTEC™ ECO PRO-400
IDEAL for high purity and low energy from controlled brackish water feed

DOW FILMTEC™ BW30HR-440
IDEAL for high purity permeate from controlled brackish water feed

DOW FILMTEC™ BW30-400
IDEAL for low CAPEX system for controlled brackish water feed

DOW FILMTEC™ BW30-365
IDEAL for low unit CAPEX for challenging brackish water feed

WATER PRODUCTION ★★★★★
STABILIZED REJECTION ★★★★
CLEANABILITY ★★★★
ENERGY EFFICIENCY ★★★★★
INDUSTRIAL WATER TREATMENT
COOLING TOWER WATER · SEA WATER

PRETREATED FEEDWATER

**DOW FILMTEC™ SEAMAXX™**
IDEAL for medium salinity SW and high salinity BW systems with lower OPEX

<table>
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**DOW FILMTEC™ SW30ULE-440i**
IDEAL for medium salinity and temperature system with lower OPEX

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**DOW FILMTEC™ SW30XLE-440i**
IDEAL for medium salinity and temperature system with lower CAPEX

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**DOW FILMTEC™ SW30HRLE-440i**
IDEAL for medium-high salinity systems with minimum lifecycle cost

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CHALLENGING FEEDWATER

**DOW FILMTEC™ SW30ULE-400i**
IDEAL for medium salinity and temperature system with challenging water

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**DOW FILMTEC™ SW30XLE-440i**
IDEAL for medium salinity and temperature system with challenging water

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**DOW FILMTEC™ SW30HRLE-400(i)**
IDEAL for medium-high salinity systems with challenging water

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INDUSTRIAL WATER TREATMENT
BOILER FEED WATER • SEA WATER • 1ST PASS

PRETREATED FEEDWATER

DOW FILMTEC™ SW30XHR-440i
IDEAL for stringent water quality requirements with lower CAPEX

DOW FILMTEC™ SW30HRLE-440i
IDEAL for medium-high salinity systems with minimum lifecycle cost

DOW FILMTEC™ SW30XLE-440i
IDEAL for medium salinity and temperature system with lower CAPEX

DOW FILMTEC™ SW30ULE-440i
IDEAL for medium salinity and temperature system with lower OPEX

DOW FILMTEC™ SEAMAXX™
IDEAL for medium salinity SW and high salinity BW systems with lower OPEX

CHALLENGING FEEDWATER

DOW FILMTEC™ SW30XHR-400i
IDEAL for stringent water quality requirements with challenging water

DOW FILMTEC™ SW30HRLE-400i
IDEAL for medium-high salinity systems with challenging water

DOW FILMTEC™ SW30XLE-400i
IDEAL for medium salinity and temperature system with challenging water

DOW FILMTEC™ SW30ULE-400i
IDEAL for medium salinity and temperature system with challenging water

DOW FILMTEC™ SEAMAXX™
IDEAL for medium salinity SW and high salinity BW systems with challenging water

2nd PASS RO ELEMENTS
CLICK HERE
2ND PASS

DOW FILMTEC™
ECO PRO-440
IDEAL for high purity and low energy from controlled brackish water feed

DOW FILMTEC™
BW30HR-440
IDEAL for high purity permeate from controlled brackish water feed

DOW FILMTEC™
BW30HRLE-440
IDEAL for low energy consumption in controlled brackish water feed

DOW FILMTEC™
BW30-400
IDEAL for low CAPEX system for controlled brackish water feed
**REUSE**

- **DOW FILMTEC™**
  - **FORTILIFE™ CR100**
    - Ideal for biological fouling relief to systems treating highly contaminated waters
  - **ECO PRO-400**
    - Ideal for high purity and low energy from challenging brackish water feed
  - **BW30XFR-400/34**
    - Ideal for high purity permeate from brackish water and wastewater feed
  - **BW30XFRLE-400/34**
    - Ideal for low energy consumption in challenging brackish water feed
  - **BW30-400/34**
    - Ideal for low CAPEX system for challenging brackish water feed
  - **BW30-365**
    - Ideal for low unit CAPEX for challenging brackish water feed

**INDUSTRIAL WATER TREATMENT**

- **Wastewater**
  - **Reuse**
  - **Water Production**
  - **Stabilized Rejection**
  - **Cleanability**
  - **Energy Efficiency**

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DOW FILMTEC™
FORTILIFE™ CR100
IDEAL for biological fouling relief to systems treating highly contaminated waters

DOW FILMTEC™
ECO PRO-400
IDEAL for high purity and low energy from challenging brackish water feed

DOW FILMTEC™
BW30XFR-400/34
IDEAL for high purity permeate from brackish water and wastewater feed

DOW FILMTEC™
BW30XFRLE-400/34
IDEAL for low energy consumption in challenging brackish water feed

DOW FILMTEC™
BW30-400/34
IDEAL for low CAPEX system for challenging brackish water feed

DOW FILMTEC™
BW30-365
IDEAL for low unit CAPEX for challenging brackish water feed
With the rising price of water and significant discharge mitigation costs, some industrial users are turning to a minimal liquid discharge (MLD) option – a membrane based water management approach to achieve up to 95% liquid recovery at a fraction of the cost of thermal treatment. The FORTILIFE™ family of membranes can help you achieve sustainable water management goals despite growing regulatory pressures.

**MLD**

- **DOW FILMTEC™**
  - **FORTILIFE™ CR100**
    - IDEAL for biological fouling relief to systems treating highly contaminated waters.
    - [MORE HERE](#)

- **DOW FILMTEC™**
  - **FORTILIFE™ XC80**
    - IDEAL for maximizing RO recovery in MLD reliably, while meeting reuse requirements.
    - [MORE HERE](#)

- **DOW FILMTEC™**
  - **FORTILIFE™ XC70**
    - IDEAL for treating high TDS challenging waters to meet reuse requirements.
    - [MORE HERE](#)

- **DOW FILMTEC™**
  - **FORTILIFE™ XC-N**
    - IDEAL for preparing a purified brine solution.
    - [MORE HERE](#)
**DOW FILMTEC™ XLE-440**

**USED IN**
- Cooling Water - Brackish Water - Pretreated Feedwater

**COOLING WATER**
- WATER PRODUCTION ★★★★★
- STABILIZED REJECTION ★★
- CLEANABILITY ★★★
- ENERGY EFFICIENCY ★★★★★

**IDEAL for lowest operation expenses in controlled brackish water feed**

DOW FILMTEC™ XLE-440 Elements offer a reliable industry standard option for lowest operation expenses in brackish water systems. The combination of high active membrane area and thick feed spacer results in higher productivity and lower fouling which facilitates sustainable lower lifecycle cost.

- Decades of proven performance
- Minimize equipment CAPEX and system OPEX especially in cold waters
- Precise element design to assure enhanced productivity and accurate operating flux

DOWNLOAD PRODUCT DATA SHEET ➤
DOW FILMTEC™
BW30HRLE-440

USED IN
• Cooling Water - Brackish Water - Pretreated Feedwater
• Boiler Feed - Brackish Water - Pretreated Feedwater
• Boiler Feed - Sea Water - 2nd Pass

IDEAL for low energy consumption in controlled brackish water feed
DOW FILMTEC™ BW30HRLE-440 Elements offer an advanced combination of low energy and high active membrane area to provide the lowest energy consumption in brackish water systems. The combination of high active area and thick feed spacer results in higher productivity and lower fouling which facilitates sustainable lower lifecycle cost.
• Receive excellent silica, boron, nitrate, IPA and ammonium rejection
• Up to 33% lower pressure than conventional 400 ft² BWRO products
• Precise element design to assure enhanced productivity and accurate operating flux
DOW FILMTEC™ BW30HRLE-440

USED IN
- Cooling Water - Brackish Water - Pretreated Feedwater
- Boiler Feed - Brackish Water - Pretreated Feedwater
- Boiler Feed - Sea Water - 2nd Pass

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**IDEAL for low energy consumption in controlled brackish water feed**

DOW FILMTEC™ BW30HRLE-440 Elements offer an advanced combination of low energy and high active membrane area to provide the lowest energy consumption in brackish water systems. The combination of high active area and thick feed spacer results in higher productivity and lower fouling which facilitates sustainable lower lifecycle cost.

- Receive excellent silica, boron, nitrate, IPA and ammonium rejection
- Up to 33% lower pressure than conventional 400 ft² BWRO products
- Precise element design to assure enhanced productivity and accurate operating flux
DOW FILMTEC™
BW30HRLE-440

USED IN
- Cooling Water - Brackish Water - Pretreated Feedwater
- Boiler Feed - Brackish Water - Pretreated Feedwater
- Boiler Feed - Sea Water - 2nd Pass

IDEAL for low energy consumption in controlled brackish water feed
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DOWNLOAD PRODUCT DATA SHEET

BACK
**ECO PRO-440**

**DOW FILMTEC™**

**USED IN**

- Cooling Water - Brackish Water - Pretreated Feedwater
- Boiler Feed - Brackish Water - Pretreated Feedwater
- Boiler Feed - Sea Water - 2nd Pass

**WATER PRODUCTION**

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**STABILIZED REJECTION**

| ★★★★★            | ★★★★★          | ★★★★★                |

**CLEANABILITY**

| ★★★★★            | ★★★★★          | ★★★★★                |

**ENERGY EFFICIENCY**

| ★★★★★            | ★★★★★          | ★★★★★                |

**IDEAL for high purity and low energy from controlled brackish water feed**

DOW FILMTEC™ ECO PRO-440 Elements are innovative options designed to turn a standard water treatment operation into a new high-performing ECO system. With the combination of high active area, the innovative ECO sheet and thick feed spacer facilitates high permeate purity with the lowest energy use at lower fouling which facilitates exceptional ability to control capital and operating expenses in controlled brackish water systems.

- Offers high salt, silica, boron, nitrate, TOC and ammonium rejection at low energy
- Up to 33% lower pressure than conventional 400 ft² BWRO products
- Precise element design to assure enhanced productivity and accurate operating flux

**DOWNLOAD PRODUCT DATA SHEET**

© **Trademark of The Dow Chemical Company (“Dow”) or an affiliated company of Dow**
With DOW FILMTEC™ RO Elements you will be enabled with:
- Industry-leading reliability
- Exceptional cleanability
- High permeate quality
- Expert regional technical support

DOW FILMTEC™
ECO PRO-440

USED IN
- Cooling Water - Brackish Water - Pretreated Feedwater
- Boiler Feed - Brackish Water - Pretreated Feedwater
- Boiler Feed - Sea Water - 2nd Pass

**COOLING WATER: BW** | **BOILER FEED: BW** | **BOILER FEED: 2ND PASS**
--- | --- | ---
**WATER PRODUCTION** | | |
**STABILIZED REJECTION** | | |
**CLEANABILITY** | | |
**ENERGY EFFICIENCY** | | |

**IDEAL for high purity and low energy from controlled brackish water feed**

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DOWNLOAD PRODUCT DATA SHEET
**DOW FILMTEC™**

**ECO PRO-440**

**USED IN**

- Cooling Water - Brackish Water - Pretreated Feedwater
- Boiler Feed - Brackish Water - Pretreated Feedwater
- Boiler Feed - Sea Water - 2nd Pass

**IDEAL for high purity and low energy from controlled brackish water feed**

DOW FILMTEC™ ECO PRO-440 Elements are innovative options designed to turn a standard water treatment operation into a new high-performing ECO system. With the combination of high active area, the innovative ECO sheet and thick feed spacer facilitates high permeate purity with the lowest energy use at lower fouling which facilitates exceptional ability to control capital and operating expenses in controlled brackish water systems.

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- Precise element design to assure enhanced productivity and accurate operating flux

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DOW FILMTEC™ BW30HR-440

**USED IN**
- Cooling Water - Brackish Water - Pretreated Feedwater
- Boiler Feed - Brackish Water - Pretreated Feedwater
- Boiler Feed - Sea Water - 2nd Pass

**IDEAL for high purity permeate from controlled brackish water feed**

The DOW FILMTEC™ BW30HR-440 Elements offer an advanced combination of high rejection and high active membrane area to provide high quality RO permeate in brackish water systems. The combination of high active area and thick feed spacer results in higher productivity and lower fouling which facilitates sustainable lower lifecycle cost.

- High sodium chloride, silica, boron, nitrate, TOC and ammonia rejection
- Up to 20% lower pressure than conventional 400 ft² BWRO products
- Precise element design to assure enhanced productivity and accurate operating flux
IDEAL for high purity permeate from controlled brackish water feed

The DOW FILMTEC™ BW30HR-440 Elements offer an advanced combination of high rejection and high active membrane area to provide high quality RO permeate in brackish water systems. The combination of high active area and thick feed spacer results in higher productivity and lower fouling which facilitates sustainable lower lifecycle cost.

- High sodium chloride, silica, boron, nitrate, TOC and ammonia rejection
- Up to 20% lower pressure than conventional 400 ft² BWRO products
- Precise element design to assure enhanced productivity and accurate operating flux
DOW FILMTEC™
BW30HR-440

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IDEAL for high purity permeate from controlled brackish water feed

The DOW FILMTEC™ BW30HR-440 Elements offer an advanced combination of high rejection and high active membrane area to provide high quality RO permeate in brackish water systems. The combination of high active area and thick feed spacer results in higher productivity and lower fouling which facilitates sustainable lower lifecycle cost.

• High sodium chloride, silica, boron, nitrate, TOC and ammonia rejection
• Up to 20% lower pressure than conventional 400 ft² BWRO products
• Precise element design to assure enhanced productivity and accurate operating flux

DOWNLOAD PRODUCT DATA SHEET
DOW FILMTEC™ BW30-400

USED IN

- Cooling Water - Brackish Water - Pretreated Feedwater
- Boiler Feed - Brackish Water - Pretreated Feedwater
- Boiler Feed - Sea Water - 2nd Pass

IDEAL for low CAPEX system for controlled brackish water feed

DOW FILMTEC™ BW30-400 Elements offer a reliable industry standard option to provide consistent, high performance, long element life and increased productivity. The use of thick feed spacer facilitates sustainable lower lifecycle cost with minimum CAPEX in controlled brackish water systems.

- Decades of proven performance
- Offers high quality permeate water while minimizing unit CAPEX
- Precise element design to assure enhanced productivity and accurate operating flux

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DOWNLOAD PRODUCT DATA SHEET
**DOW FILMTEC™ BW30-400**

**USED IN**
- Cooling Water - Brackish Water - Pretreated Feedwater
- Boiler Feed - Brackish Water - Pretreated Feedwater
- Boiler Feed - Sea Water - 2nd Pass

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**IDEAL for low CAPEX system for controlled brackish water feed**

DOW FILMTEC™ BW30-400 Elements offer a reliable industry standard option to provide consistent, high performance, long element life and increased productivity. The use of thick feed spacer facilitates sustainable lower lifecycle cost with minimum CAPEX in controlled brackish water systems.

- Decades of proven performance
- Offers high quality permeate water while minimizing unit CAPEX
- Precise element design to assure enhanced productivity and accurate operating flux

**DOWNLOAD PRODUCT DATA SHEET**
**DOW FILMTEC™ BW30-400**

**USED IN**
- Cooling Water - Brackish Water - Pretreated Feedwater
- Boiler Feed - Brackish Water - Pretreated Feedwater
- Boiler Feed - Sea Water - 2nd Pass

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DOWNLOAD PRODUCT DATA SHEET
DOW FILMTEC™
BW30XFRLE-400/34

USED IN
• Cooling Water - Brackish Water - Challenging Feedwater
• Boiler Feed - Brackish Water - Challenging Feedwater
• Wastewater - Reuse (RU)
• Wastewater - Discharge (DIS)

IDEAL for low energy consumption in challenging brackish water feed
DOW FILMTEC™ BW30XFRLE-400/34 Elements offer an advanced high fouling membrane chemistry to provide consistent high performance permeate in brackish water and wastewater systems. The use of thick feed spacer facilitates sustainable lower lifecycle cost with excellent colloidal and biological fouling resistance.
• Receive excellent silica, nitrate and ammonium rejection
• Offers opportunity for cleaning in place reductions with advanced fouling resistance technology
• Offers up to 30% savings in energy costs, especially in cold waters

WATER PRODUCTION

STABILIZED REJECTION

CLEANABILITY

ENERGY EFFICIENCY

DOWNLOAD PRODUCT DATA SHEET
DOW FILMTEC™ BW30XFRLE-400/34

USED IN
• Cooling Water - Brackish Water - Challenging Feedwater
• Boiler Feed - Brackish Water - Challenging Feedwater
• Wastewater - Reuse (RU)
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With DOW FILMTEC™ RO Elements you will be enabled with:
• Industry-leading reliability
• Exceptional cleanability
• High permeate quality
• Expert regional technical support

DOW FILMTEC™
BW30XFRLE-400/34

USED IN
• Cooling Water - Brackish Water - Challenging Feedwater
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BACK
DOWNLOAD PRODUCT DATA SHEET
DOW FILMTEC™
BW30XFRLE-400/34

USED IN

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DOWNLOAD PRODUCT DATA SHEET
DOW FILMTEC™
ECO PRO-400

USED IN
• Cooling Water - Brackish Water - Challenging Feedwater
• Boiler Feed - Brackish Water - Challenging Feedwater
• Wastewater - Reuse (RU)
• Wastewater - Discharge (DIS)

IDEAL for high purity and low energy from challenging brackish water feed
DOW FILMTEC™ ECO PRO-400 Elements are innovative options designed to turn a standard water treatment operation into a new high-performing ECO system. The combination of the innovative ECO sheet and thick feed spacer facilitates highest permeate purity with the lowest energy use at lower fouling which facilitates exceptional ability to control capital and operating expenses in challenging brackish water systems.

• Offers high salt, silica, boron, nitrate, TOC and ammonium rejection at low-energy
• Reduce colloidal and biological fouling with low pressure-drop and fouling resistance design
• Offers up to 30% savings in energy costs, especially in cold waters

DOWNLOAD PRODUCT DATA SHEET

BACK
CHALLENGING FEEDWATER

DOW FILMTEC™
ECO PRO-400

USED IN
- Cooling Water - Brackish Water - Challenging Feedwater
- Boiler Feed - Brackish Water - Challenging Feedwater
- Wastewater - Reuse (RU)
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<th>WATER PRODUCTION</th>
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</table>
**DOW FILMTEC™ ECO PRO-400**

**USED IN**
- Cooling Water - Brackish Water - Challenging Feedwater
- Boiler Feed - Brackish Water - Challenging Feedwater
- Wastewater - Reuse (RU)
- Wastewater - Discharge (DIS)

**IDEAL for high purity and low energy from challenging brackish water feed**

DOW FILMTEC™ ECO PRO-400 Elements are innovative options designed to turn a standard water treatment operation into a new high-performing ECO system. The combination of the innovative ECO sheet and thick feed spacer facilitates highest permeate purity with the lowest energy use at lower fouling which facilitates exceptional ability to control capital and operating expenses in challenging brackish water systems.

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**DOWNLOAD PRODUCT DATA SHEET**
With DOW FILMTEC™ RO Elements you will be enabled with:
• Industry-leading reliability
• Exceptional cleanability
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DOW FILMTEC™
ECO PRO-400

USED IN
• Cooling Water - Brackish Water - Challenging Feedwater
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DOWNLOAD PRODUCT DATA SHEET

BACK
DOW FILMTEC™
BW30XFR-400/34

USED IN
• Cooling Water - Brackish Water - Challenging Feedwater
• Boiler Feed - Brackish Water - Challenging Feedwater
• Wastewater - Reuse (RU)
• Wastewater - Discharge (DIS)

IDEAL for high purity permeate from brackish water and wastewater feed
DOW FILMTEC™ BW30XFR-400/34 Elements offer an advanced combination of high rejection and high fouling membrane chemistry to provide consistent high performance permeate in brackish water and wastewater systems. The use of thick feed spacer facilitates sustainable lower lifecycle cost with excellent colloidal and biological fouling resistance.

• Reduce energy impact of fouling by reducing the rate of flux loss
• Reduce the colloidal and biological fouling with a lower pressure drop
• Help blending with higher TDS waters for reuse or minimize polisher capacity

DOWNLOAD PRODUCT DATA SHEET
INDUSTRIAL WATER TREATMENT

DOW FILMTEC™

BW30XFR-400/34

USED IN

• Cooling Water - Brackish Water - Challenging Feedwater
• Boiler Feed - Brackish Water - Challenging Feedwater
• Wastewater - Reuse (RU)
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IDEAL for high purity permeate from brackish water and wastewater feed

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DOWNLOAD PRODUCT DATA SHEET

BACK
**DOW FILMTEC™ BW30XFR-400/34**

**USED IN**
- Cooling Water - Brackish Water - Challenging Feedwater
- Boiler Feed - Brackish Water - Challenging Feedwater
- Wastewater - Reuse (RU)
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- Help blending with higher TDS waters for reuse or minimize polisher capacity
DOW FILMTEC™
BW30XFR-400/34

**USED IN**
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CHALLENGING FEEDWATER

DOW FILMTEC™
BW30-400/34

USED IN
• Cooling Water - Brackish Water - Challenging Feedwater
• Boiler Feed - Brackish Water - Challenging Feedwater
• Wastewater - Reuse (RU)
• Wastewater - Discharge (DIS)

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• Decades of proven performance
• Offers high quality permeate water while minimizing system CAPEX
• Low pressure drop design to reduce the impact of colloidal and biological fouling

DOWNLOAD PRODUCT DATA SHEET

BACK
With DOW FILMTEC™ RO Elements you will be enabled with:
- Industry-leading reliability
- Exceptional cleanability
- High permeate quality
- Expert regional technical support

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### USED IN
- Cooling Water - Brackish Water - Challenging Feedwater
- Boiler Feed - Brackish Water - Challenging Feedwater
- Wastewater - Reuse (RU)
- Wastewater - Discharge (DIS)

### WATER PRODUCTION

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<th>COOLING WATER: BW</th>
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</tbody>
</table>

### STABILIZED REJECTION

| ★★★★★            | ★★★★★          |

### CLEANABILITY

| ★★★★★            | ★★★★★          |

### ENERGY EFFICIENCY

| ★★★★             | ★★★★           |

### WATER PRODUCTION

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</table>

### STABILIZED REJECTION

| ★★★★           | ★★★★           |

### CLEANABILITY

| ★★★           | ★★★           |

### ENERGY EFFICIENCY

| ★★             | ★★             |

IDEAL for low CAPEX system for challenging brackish water feed

DOWNLOAD PRODUCT DATA SHEET
**DOW FILMTEC™ BW30-400/34**

**USED IN**
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- Boiler Feed - Brackish Water - Challenging Feedwater
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**DOWNLOAD PRODUCT DATA SHEET**
**DOW FILMTEC™ BW30-400/34**

**USED IN**
- Cooling Water - Brackish Water - Challenging Feedwater
- Boiler Feed - Brackish Water - Challenging Feedwater
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- Decades of proven performance
- Offers high quality permeate water while minimizing system CAPEX
- Low pressure drop design to reduce the impact of colloidal and biological fouling
DOW FILMTEC™
BW30-365

USED IN
- Cooling Water - Brackish Water - Challenging Feedwater
- Boiler Feed - Brackish Water - Challenging Feedwater
- Wastewater - Reuse (RU)
- Wastewater - Discharge (DIS)

IDEAL for low unit CAPEX for challenging brackish water feed
DOW FILMTEC™ BW30-365 Elements offer a reliable industry standard option to provide consistent, high performance and long element life. The use of thick feed spacer facilitates sustainable lower lifecycle cost with excellent colloidal fouling resistance and minimum CAPEX in challenging brackish water systems.

--Decades of proven performance
- Offers high quality permeate water while minimizing unit CAPEX
- Precise element design to assure enhanced productivity and accurate operating flux
DOW FILMTEC™
BW30-365

USED IN
- Cooling Water - Brackish Water - Challenging Feedwater
- Boiler Feed - Brackish Water - Challenging Feedwater
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**USED IN**
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With DOW FILMTEC™ RO Elements you will be enabled with:
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<th>BOILER FEED: BW</th>
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<td>★★★★★</td>
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<tr>
<td><strong>CLEANABILITY</strong></td>
<td>★★★★★</td>
<td>★★★★★</td>
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<tr>
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With DOW FILMTEC™ RO Elements you will be enabled with:
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• Expert regional technical support

DOW FILMTEC™ SEAMAXX™ Elements offer an innovative high-flow option for substantial energy savings in medium salinity seawater and high salinity brackish water systems. The combination of high active area and thick feed spacer results in higher productivity and lower fouling which facilitates sustainable lower lifecycle cost. iLEC™ Interlocking End Caps reduce system operating costs and the risk of leaks that can cause poor water quality.

• Lowest operation cost in a seawater and brackish water system
• Highly engineered construction for lower cleaning frequency and high cleaning efficiency
• Precise and oxidative-free element design to assure accurate long-term sustainable performance

**IDEAL for medium salinity SW and high salinity BW systems with lower OPEX**

DOW FILMTEC™ SEAMAXX™ Elements are ideal for medium salinity seawater and high salinity brackish water systems with lower OPEX.

**USED IN**

- Cooling Water - Sea Water - Single Pass - Pretreated Feedwater
- Boiler Feed - Sea Water - 1st Pass - Pretreated Feedwater

**WATER PRODUCTION**

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</table>

**STABILIZED REJECTION**

| ★★★★★             | ★★★            |

**CLEANABILITY**

| ★★★★★             | ★★★            |

**ENERGY EFFICIENCY**

| ★★★★★             | ★★★★            |

DOWNLOAD PRODUCT DATA SHEET
IDEAL for medium salinity SW and high salinity BW systems with lower OPEX

DOW FILMTEC™ SEAMAXX™ Elements offer an innovative high-flow option for substantial energy savings in medium salinity seawater and high salinity brackish water systems. The combination of high active area and thick feed spacer results in higher productivity and lower fouling which facilitates sustainable lower lifecycle cost. iLEC™ Interlocking End Caps reduce system operating costs and the risk of leaks that can cause poor water quality.

- Lowest operation cost in a seawater and brackish water system
- Highly engineered construction for lower cleaning frequency and high cleaning efficiency
- Precise and oxidative-free element design to assure accurate long-term sustainable performance
DOW FILMTEC™ SW30ULE-440(i)

**USED IN**
- Cooling Water - Sea Water - Single Pass - Pretreated Feedwater
- Boiler Feed - Sea Water - 1st Pass - Pretreated Feedwater

**IDEAL for medium salinity and temperature system with lower OPEX**

DOW FILMTEC™ SW30ULE-440(i) Elements offer an advanced ultra-low energy option for medium salinity and medium temperature feed waters. The combination of high active area and thick feed spacer results in higher productivity and lower fouling which facilitates sustainable lower lifecycle cost. iLEC™ Interlocking End Caps reduce system operating costs and the risk of leaks that can cause poor water quality.

- Lowest capital and operation cost in a seawater system
- Sustainable performance with low cleaning frequency and high cleaning efficiency
- Precise element design to assure accurate operating flux

**WATER PRODUCTION**

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**STABILIZED REJECTION**

| ★★★★★           | ★★★           |

**CLEANABILITY**

| ★★★★            | ★★★           |

**ENERGY EFFICIENCY**

| ★★★★            | ★★★★          |

SW30ULE-440 PRODUCT DATA SHEET
SW30ULE-440 PRODUCT DATA SHEET
**DOW FILMTEC™ SW30ULE-440(i)**

**USED IN**
- Cooling Water - Sea Water - Single Pass - Pretreated Feedwater
- Boiler Feed - Sea Water - 1st Pass - Pretreated Feedwater

**WATER PRODUCTION**
- Cooling Water: SW
- Boiler Feed: SW

**STABILIZED REJECTION**

**CLEANABILITY**

**ENERGY EFFICIENCY**

---

**IDEAL for medium salinity and temperature system with lower OPEX**

DOW FILMTEC™ SW30ULE-440(i) Elements offer an advanced ultra-low energy option for medium salinity and medium temperature feed waters. The combination of high active area and thick feed spacer results in higher productivity and lower fouling which facilitates sustainable lower lifecycle cost. iLEC™ Interlocking End Caps reduce system operating costs and the risk of leaks that can cause poor water quality.

- Lowest capital and operation cost in a seawater system
- Sustainable performance with low cleaning frequency and high cleaning efficiency
- Precise element design to assure accurate operating flux
**DOW FILMTEC™**

**SW30XLE-440(i)**

**USED IN**

- Cooling Water - Sea Water - Single Pass - Pretreated Feedwater
- Boiler Feed - Sea Water - 1st Pass - Pretreated Feedwater

---

**IDEAL for medium salinity and temperature system with lower CAPEX**

DOW FILMTEC™ SW30XLE-440(i) Elements offer an advanced high rejection and extra-low energy consumption option for seawater and high salinity brackish water systems. The combination of high active area and thick feed spacer results in higher productivity and lower fouling which facilitates sustainable lower lifecycle cost. iLEC™ Interlocking End Caps reduce system operating costs and the risk of leaks that can cause poor water quality.

- Effective use in permeate staged seawater desalination systems
- Highly engineered construction for lower cleaning frequency and high cleaning efficiency
- Precise and oxidative-free element design to assure accurate long-term sustainable performance

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**WATER PRODUCTION**

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</tbody>
</table>

**STABILIZED REJECTION**

| ★★★★★ | ★★★ ★★★ |

**CLEANABILITY**

★★★★★ ★★★★★

**ENERGY EFFICIENCY**

★★★★★ ★★★★★

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**SW30XLE-440 PRODUCT DATA SHEET**

**SW30XLE-440 PRODUCT DATA SHEET**
DOW FILMTEC™
SW30XLE-440(i)

**USED IN**
- Cooling Water - Sea Water - Single Pass - Pretreated Feedwater
- Boiler Feed - Sea Water - 1st Pass - Pretreated Feedwater

**WATER PRODUCTION**

<table>
<thead>
<tr>
<th>COOLING WATER: SW</th>
<th>BOILER FEED: SW</th>
</tr>
</thead>
<tbody>
<tr>
<td>★★★★★ ★★★★★ ★★★★★ ★★★★★</td>
<td></td>
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</table>

**STABILIZED REJECTION**

| ★★★★★ ★★★★★ ★★★★★ ★★★★★ | ★★★★★ |

**CLEANABILITY**

| ★★★★★ ★★★★★ ★★★★★ ★★★★★ |

**ENERGY EFFICIENCY**

| ★★★★★ ★★★★★ ★★★★★ ★★★★★ |

**IDEAL for medium salinity and temperature system with lower CAPEX**

DOW FILMTEC™ SW30XLE-440(i) Elements offer an advanced high rejection and extra-low energy consumption option for seawater and high salinity brackish water systems. The combination of high active area and thick feed spacer results in higher productivity and lower fouling which facilitates sustainable lower lifecycle cost. iLEC™ Interlocking End Caps reduce system operating costs and the risk of leaks that can cause poor water quality.

- Effective use in permeate staged seawater desalination systems
- Highly engineered construction for lower cleaning frequency and high cleaning efficiency
- Precise and oxidative-free element design to assure accurate long-term sustainable performance
DOW FILMTEC™
SW30HRLE-440(i)

USED IN
- Cooling Water - Sea Water - Single Pass - Pretreated Feedwater
- Boiler Feed - Sea Water - 1st Pass - Pretreated Feedwater

IDEAL for medium-high salinity systems with minimum lifecycle cost
DOW FILMTEC™ SW30HRLE-440(i) Elements offer sustainable lower lifecycle cost with high stabilized salt and boron rejection for seawater systems. The combination of high active area and thick feed spacer results in higher productivity and lower fouling which facilitates sustainable lower lifecycle cost. iLEC™ Interlocking End Caps reduce system operating costs and the risk of leaks that can cause poor water quality.
- High NaCl and boron rejection to meet World Health Organization (WHO) requirements
- Highly engineered construction for lower cleaning frequency and high cleaning efficiency
- Precise and oxidative-free element design to assure accurate long-term sustainable performance

WATER PRODUCTION

STABILIZED REJECTION

CLEANABILITY

ENERGY EFFICIENCY

COOLING WATER: SW
BOILER FEED: SW

SW30HRLE-440 PRODUCT DATA SHEET
SW30HRLE-440 PRODUCT DATA SHEET
With DOW FILMTEC™ RO Elements you will be enabled with:
- Industry-leading reliability
- Exceptional cleanability
- High permeate quality
- Expert regional technical support

DOW FILMTEC™
SW30HRLE-440(i)

**USED IN**
- Cooling Water - Sea Water - Single Pass - Pretreated Feedwater
- Boiler Feed - Sea Water - 1st Pass - Pretreated Feedwater

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<td>★★★★★ ★★★★★★</td>
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**STABILIZED REJECTION**

| ★★★★★ ★★★★★★    | ★★★★★ ★★★★★★  |

**CLEANABILITY**

| ★★★★★ ★★★★★★    | ★★★★★ ★★★★★★  |

**ENERGY EFFICIENCY**

| ★★★★★ ★★★★★★    | ★★★★★ ★★★★★★  |
**DOW FILMTEC™ SW30XHR-440(i)**

**USED IN**

- Boiler Feed - Sea Water - 1st Pass - Pretreated Feedwater

---

**IDEAL for stringent water quality requirements with lower CAPEX**

DOW FILMTEC™ SW30XHR-440(i) Elements are the highest rejection seawater RO element in the DOW FILMTEC™ elements portfolio. The combination of high active area and thick feed spacer results in higher productivity and lower fouling which facilitates sustainable lower lifecycle cost. iLEC™ Interlocking End Caps reduce system operating costs and the risk of leaks that can cause poor water quality.

- High NaCl and boron rejection to meet World Health Organization (WHO) requirements
- Highly engineered construction for lower cleaning frequency and high cleaning efficiency
- Precise and oxidative-free element design to assure accurate long-term sustainable performance

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**SW30XHR-440 PRODUCT DATA SHEET**

**SW30XHR-440I PRODUCT DATA SHEET**
DOW FILMTEC™ SW30ULE-400i

USED IN

- Cooling Water - Sea Water - Single Pass - Challenging Feedwater
- Boiler Feed - Sea Water - 1st Pass - Challenging Feedwater

IDEAL for medium salinity & temperature system with challenging water

DOW FILMTEC™ SW30ULE-400i Elements offer an advanced ultra-low energy option for medium salinity and medium temperature feed waters. The use of thick feed spacer results in lower fouling which facilitates sustainable lower lifecycle cost. iLEC™ Interlocking End Caps reduce system operating costs and the risk of leaks that can cause poor water quality.

- Lowest capital and operation cost in a seawater system
- Highly engineered construction for lower cleaning frequency and high cleaning efficiency
- Precise and oxidative-free element design to assure accurate long-term sustainable performance
DOW FILMTEC™
SW30ULE-400i

USED IN
• Cooling Water - Sea Water - Single Pass - Challenging Feedwater
• Boiler Feed - Sea Water - 1st Pass - Challenging Feedwater

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• Lowest capital and operation cost in a seawater system
• Highly engineered construction for lower cleaning frequency and high cleaning efficiency
• Precise and oxidative-free element design to assure accurate long-term sustainable performance

DOWNLOAD PRODUCT DATA SHEET
DOW FILMTEC™
SW30XLE-400i

USED IN
• Cooling Water - Sea Water - Single Pass - Challenging Feedwater
• Boiler Feed - Sea Water - 1st Pass - Challenging Feedwater

IDEAL for medium salinity and temperature system with challenging water
DOW FILMTEC™ SW30XLE-400i Elements offer an advanced high rejection and extra-low energy consumption option for seawater and high salinity brackish water systems. The use of thick feed spacer results in lower fouling which facilitates sustainable lower lifecycle cost. iLEC™ Interlocking End Caps reduce system operating costs and the risk of leaks that can cause poor water quality.

• Effective use in permeate staged seawater desalination systems
• Highly engineered construction for lower cleaning frequency and high cleaning efficiency
• Precise and oxidative-free element design to assure accurate long-term sustainable performance

DOWNLOAD PRODUCT DATA SHEET
**DOW FILMTEC™ SW30XLE-400i**

**USED IN**
- Cooling Water - Sea Water - Single Pass - Challenging Feedwater
- Boiler Feed - Sea Water - 1st Pass - Challenging Feedwater

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- Highly engineered construction for lower cleaning frequency and high cleaning efficiency
- Precise and oxidative-free element design to assure accurate long-term sustainable performance

**DOWNLOAD PRODUCT DATA SHEET**
DOW FILMTEC™
SW30HRLE-400(i)

USED IN
- Cooling Water - Sea Water - Single Pass - Challenging Feedwater
- Boiler Feed - Sea Water - 1st Pass - Challenging Feedwater

IDEAL for medium-high salinity systems with challenging water
DOW FILMTEC™ SW30HRLE-400(i) Elements offer sustainable high stabilized salt and boron rejection and a low element CAPEX option for seawater systems. The use of thick feed spacer results in lower fouling which facilitates sustainable lower lifecycle cost. iLEC™ Interlocking End Caps reduce system operating costs and the risk of leaks that can cause poor water quality.
- High NaCl and boron rejection to meet World Health Organization (WHO) requirements
- Highly engineered construction for lower cleaning frequency and high cleaning efficiency
- Precise and oxidative-free element design to assure accurate long-term sustainable performance

WATER PRODUCTION
COOLING WATER: SW | BOILER FEED: SW

STABILIZED REJECTION

CLEANABILITY

ENERGY EFFICIENCY

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**DOW FILMTEC™ SW30HRLE-400(i)**

**USED IN**
- Cooling Water - Sea Water - Single Pass - Challenging Feedwater
- Boiler Feed - Sea Water - 1st Pass - Challenging Feedwater

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<td></td>
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<tbody>
<tr>
<td>CLEANABILITY</td>
<td>★★★★★</td>
<td>★★★★★</td>
</tr>
<tr>
<td>ENERGY EFFICIENCY</td>
<td>★★★</td>
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- High NaCl and boron rejection to meet World Health Organization (WHO) requirements
- Highly engineered construction for lower cleaning frequency and high cleaning efficiency
- Precise and oxidative-free element design to assure accurate long-term sustainable performance
CHALLENGING FEEDWATER

DOW FILMTEC™
SW30XHR-400i

USED IN
• Boiler Feed - Sea Water - 1st Pass - Challenging Feedwater

IDEAL for stringent water quality requirements with challenging water

DOW FILMTEC™ SW30XHR-400i Elements are the highest rejection seawater RO element in the DOW FILMTEC element portfolio. The use of thick feed spacer results in lower fouling which facilitates sustainable lower lifecycle cost. iLEC™ Interlocking End Caps reduce system operating costs and the risk of leaks that can cause poor water quality.

• High NaCl and boron rejection to meet World Health Organization (WHO) requirements
• Highly engineered construction for lower cleaning frequency and high cleaning efficiency
• Precise and oxidative-free element design to assure accurate long-term sustainable performance
## FORTILIFE™ CR100

### USED IN
- Cooling Water - Brackish Water - Challenging Feedwater
- Boiler Feed - Brackish Water - Challenging Feedwater
- Wastewater - Reuse
- Wastewater - Discharge
- Wastewater - MLD

<table>
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<tr>
<th>WATER PRODUCTION</th>
<th>COOLING WATER: BW</th>
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<tr>
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<td>★★★★☆☆☆</td>
<td>★★★★☆☆☆</td>
</tr>
</tbody>
</table>

| STABILIZED REJECTION | ★★★★☆☆☆         |
| CLEANABILITY         | ★★★★☆☆☆         |
| ENERGY EFFICIENCY    | ★★★☆☆☆☆         |

<table>
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<th>WASTEWATER: DIS</th>
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<td>★★★☆☆☆☆</td>
<td>★★★☆☆☆☆</td>
</tr>
</tbody>
</table>

| STABILIZED REJECTION | ★★★☆☆☆☆         |
| CLEANABILITY         | ★★★☆☆☆☆         |
| ENERGY EFFICIENCY    | ★★★☆☆☆☆         |

### IDEAL for biological fouling relief to systems treating highly contaminated waters

With the industry’s lowest differential pressure, DOW FILMTEC™ FORTILIFE™ CR100 Elements are a good choice to use in systems prone to biological fouling, helping reduce cleanings by up to 50% and allow systems to run more reliably. In addition, with the improved reliability, it will allow plant operators to run their systems at higher recovery than they otherwise could.

- Lowest differential pressure provides superior biological fouling resistance and improved hydraulic balance
- Reduces cleanings by up to 50% in a biofouling environment
- Up to 10% lower energy saving compared to other fouling resistant products available

[DOWNLOAD PRODUCT DATA SHEET](#)

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DOW FILMTEC™
FORTILIFE™ CR100

USED IN

- Cooling Water - Brackish Water - Challenging Feedwater
- Boiler Feed - Brackish Water - Challenging Feedwater
- Wastewater - Reuse
- Wastewater - Discharge
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IDEAL for biological fouling relief to systems treating highly contaminated waters

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DOW FILMTEC™
FORTILIFE™ CR100

USED IN

• Cooling Water - Brackish Water - Challenging Feedwater
• Boiler Feed - Brackish Water - Challenging Feedwater
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DOW FILMTEC™
FORTILIFE™ CR100

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• Boiler Feed - Brackish Water - Challenging Feedwater
• Wastewater - Reuse
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FORTILIFE™ CR100 Elements are a good choice to use in systems prone to
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  compared to other fouling resistant
  products available
DOW FILMTEC™
FORTILIFE™ CR100

**USED IN**
- Cooling Water - Brackish Water - Challenging Feedwater
- Boiler Feed - Brackish Water - Challenging Feedwater
- Wastewater - Reuse
- Wastewater - Discharge
- Wastewater - MLD

**COOLING WATER: BW**
| WATER PRODUCTION | ★★★★★ |
| STABILIZED REJECTION | ★★★★★ |
| CLEANABILITY | ★★★★★ |
| ENERGY EFFICIENCY | ★★★★★ |

**BOILER FEED: BW**

**WASTEWATER: RU**
| WATER PRODUCTION | ★★★★★ |
| STABILIZED REJECTION | ★★★★★ |
| CLEANABILITY | ★★★★★ |
| ENERGY EFFICIENCY | ★★★★★ |

**WASTEWATER: DIS**

**IDEAL for biological fouling relief to systems treating highly contaminated waters**

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- Reduces cleanings by up to 50% in a biofouling environment
- Up to 10% lower energy saving compared to other fouling resistant products available

**DOWNLOAD PRODUCT DATA SHEET**
IDEAL for maximizing RO recovery in MLD reliably, while meeting reuse requirements

DOW FILMTEC™ FORTILIFE™ XC80 Reverse Osmosis Element offers Dow's industry-leading benefits including a fouling resistance and highly permeable membrane, allowing a concentrate TDS level > 80,000ppm at standard RO operating limits. When used in combination, it can deliver maximum RO recovery and reduce wastewater volume going to expensive downstream treatment such as evaporation.

• Reduces RO concentrate volume by up to 7%* to achieve a higher membrane system recovery at roughly 12%** of the cost
• Provides longer time between cleanings, more up-time and longer element life
• Offers adequate rejection at high feed TDS to meet customers’ permeate quality requirements

* Depending on feed water quality and operating conditions
** Depending on specific brine concentration technology
DOW FILMTEC™ FORTILIFE™ XC70

USED IN
- Wastewater - MLD

IDEAL for treating high TDS challenging waters to meet reuse requirements

DOW FILMTEC™ FORTILIFE™ XC70 Reverse Osmosis Element offers all of Dow’s industry-leading benefits coupled with a distinctive combination of high salt rejection, fouling resistance membrane; easy-to-clean, low pressure drop module construction; and ability to achieve brine levels > 70,000 ppm TDS within standard RO element operating limits.

- Provides longer time between cleanings, more up-time and longer element life
- Offers consistent overall permeate quality
- Low pressure drop element design decreases the impact of colloidal and biological fouling

DOWNLOAD PRODUCT DATA SHEET
With DOW FILMTEC™ RO Elements you will be enabled with:
• Industry-leading reliability
• Exceptional cleanability
• High permeate quality
• Expert regional technical support

DOW FILMTEC™
FORTILIFE™ XC-N

USED IN
• Wastewater - MLD

IDEAL for preparing a purified brine solution
DOW FILMTEC™ FORTILIFE™ XC-N select ion separation elements allows industrial end users to reduce costly hazardous RO concentrate waste by converting a large fraction of the total dissolved solids into pure, easier-to-crystallize, directly re-usable salt solutions.

• Selective monovalent ions passage provides purified salt solutions for reuse and reduction of solid waste
• High membrane permeability for lower energy consumption and higher water recovery
• Fouling resistant module design lowers operating costs