

BW30 XHR PRO – 400/34



Key Features:

- Offers exceptional permeate quality
- Delivers excellent silica, boron, nitrate, TOC and ammonium rejection
- Excellent durability resulting in stable, long-term performance
- Enhanced fouling protection thanks to 34 mil feed spacer

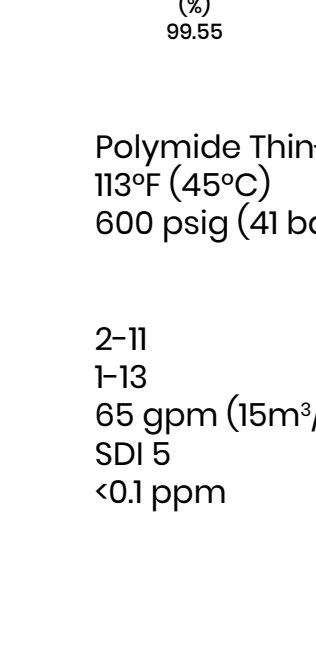
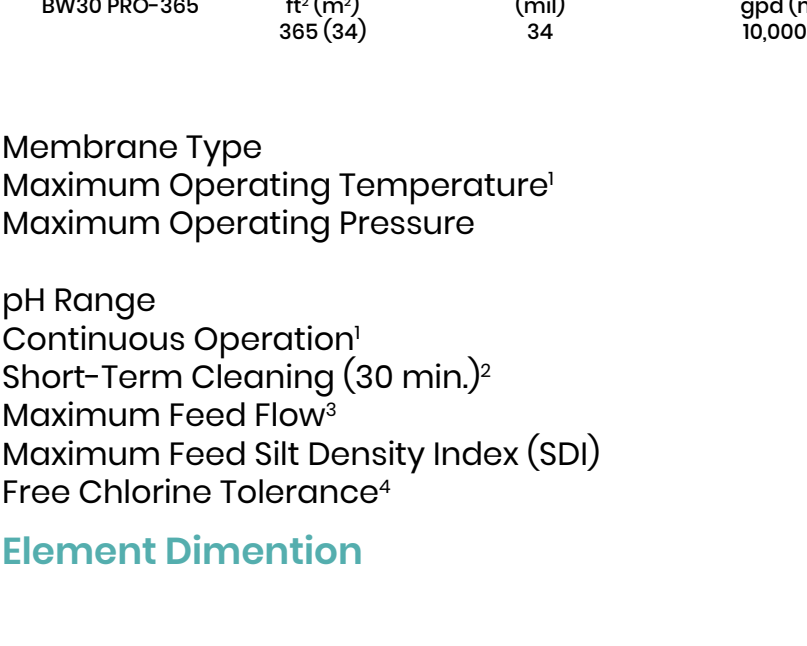
Key Application:

- Demineralization for industrial applications, such as: Powder Generation, Steel & Metal, Chemical & Petrochemical
- Municipal water purification
- Applications requiring stringent permeate quality

Typical Properties

FilmTech™ Element BW30 XHR PRO–400/34	Active Area ft² (m²) 400 (37)	Feed Spacer Thickness (mil) 34-LDP	Permeate Flow Rate gpd (m³/d) 11,500 (43.5)	Stabilized Salt Rejection (%) 99.8	Minimum Salt Rejection (%) 99.6
Membrane Type Maximum Operating Temperature¹ Maximum Operating Pressure	Polyamide Thin-Film Composite 113°F (45°C) 600 psig (41 bar)				
pH Range Continuous Operation¹ Short-Term Cleaning (30 min.)² Maximum Feed Flow³ Maximum Feed Silt Density Index Free Chlorine Tolerance⁴	2-11 1-13 75 gpm (17m³/hr) SDI 5 <0.1 ppm				

Element Dimention



Dimensions inches (mm)	
A	40.0 (1,016)
B	7.9 (201)
C	1125 ID (29)

1 inch = 25.4 mm

FilmTech™ supplies coupler part number 35188 with each element. Each coupler includes two 3-9/32 DPE O-rings (part number 18705).

FilmTech™ Element
BW30 PRO–365



Key Features:

- Delivers consistent water quality and higher rejection and flow than previous generation BW30 product.
- Based on historical BW30 Industry-Standard RO Membrane with decades of proven performance.
- Excellent durability resulting in stable, long-term performance.
- Enhance fouling protection thanks to 34 mil feed spacer.

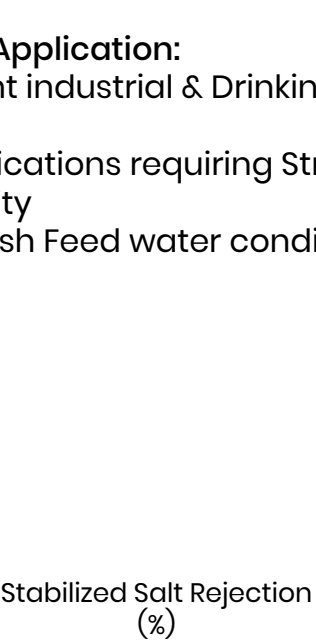
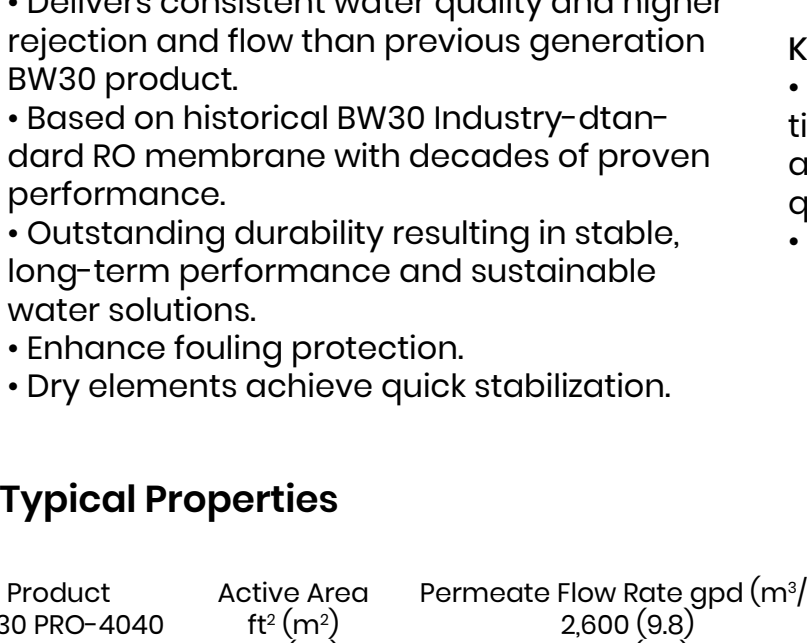
Key Application:

- Product replacement in existing systems
- Demineralization for industrial applications, such as: Powder Generation, Steel & Metal, Chemical & Petrochemical

Typical Properties

FilmTech™ Element BW30 PRO–365	Active Area ft² (m²) 365 (34)	Feed Spacer Thickness (mil) 34	Permeate Flow Rate gpd (m³/d) 10,000 (38)	Stabilized Salt Rejection (%) 99.85	Minimum Salt Rejection (%) 99.85
Membrane Type Maximum Operating Temperature¹ Maximum Operating Pressure	Polyamide Thin-Film Composite 113°F (45°C) 600 psig (41 bar)				
pH Range Continuous Operation¹ Short-Term Cleaning (30 min.)² Maximum Feed Flow³ Maximum Feed Silt Density Index (SDI) Free Chlorine Tolerance⁴	2-11 1-13 65 gpm (15m³/hr) SDI 5 <0.1 ppm				

Element Dimention

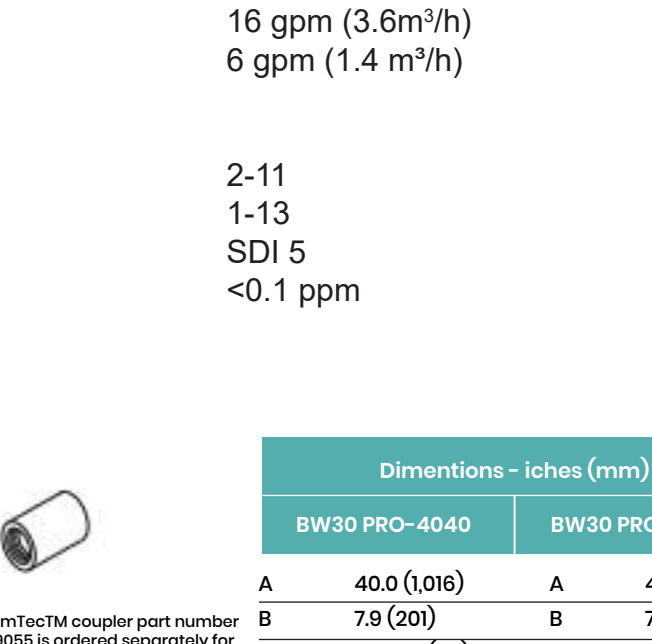
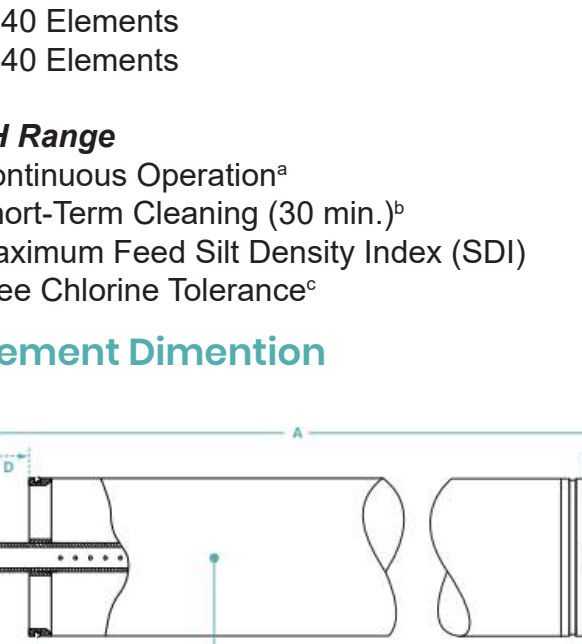


Dimensions inches (mm)	
A	40.0 (1,016)
B	7.9 (201)
C	1125 ID (29)

1 inch = 25.4 mm

FilmTech™ supplies coupler part number 35188 with each element. Each coupler includes two 3-9/32 DPE O-rings (part number 18705).

FilmTech™ Element
BW30 PRO–400



Key Features:

- Delivers consistent water quality and higher rejection and flow than previous generation BW30 product.
- Based on historical BW30 Industry-Standard RO membrane with decades of proven performance.
- Excellent durability resulting in stable long term performance.

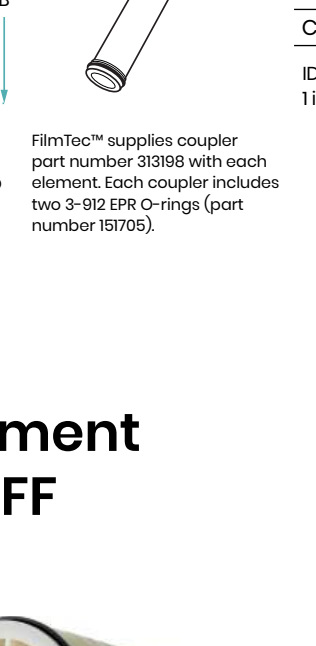
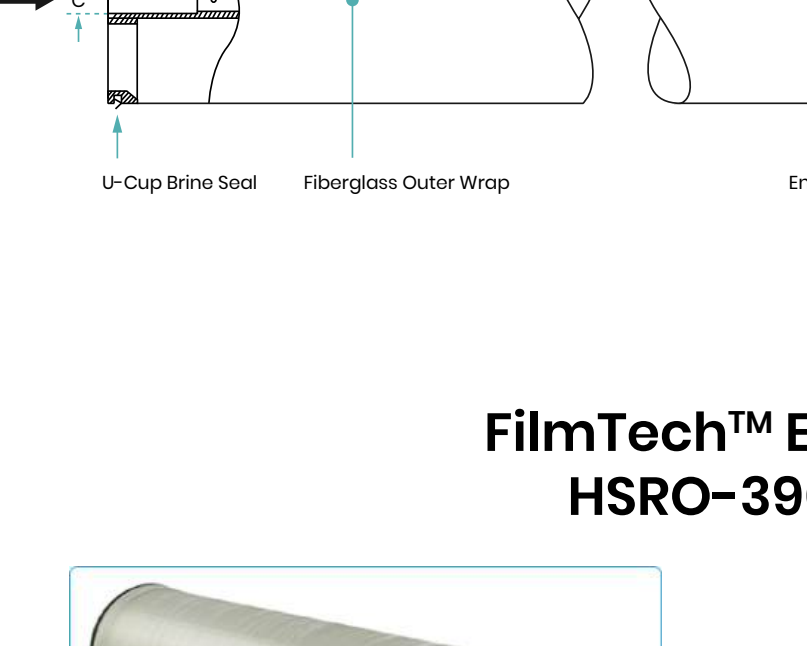
Key Application:

- Demineralization for industrial applications, such as: Power Generation, Steel & Metal, Chemical & Petrochemical
- Municipal Water Purification

Typical Properties

FilmTech™ Element BW30 PRO–400	Active Area ft² (m²) 400 (37)	Feed Spacer Thickness (mil) 28	Permeate Flow Rate gpd (m³/d) 11,000 (42)	Stabilized Salt Rejection (%) 99.8	Minimum Salt Rejection (%) 99.4
Membrane Type Maximum Operating Temperature¹ Maximum Operating Pressure Maximum Pressure Drop Per Element Per Pressure Vessel (Minimum 4 Elements) pH Range Continuous Operation¹ Short-Term Cleaning (30 min.)² Maximum Feed Flow³ Maximum Feed Silt Density Index Free Chlorine Tolerance⁴	Polyamide Thin-Film Composite 113°F (45°C) 600 psig (41 bar) 15 psig (1.0 bar) 50 psig (3.5 bar) 2-11 1-13 75 gpm (17m³/hr) SDI 5 <0.1 ppm				

Element Dimention

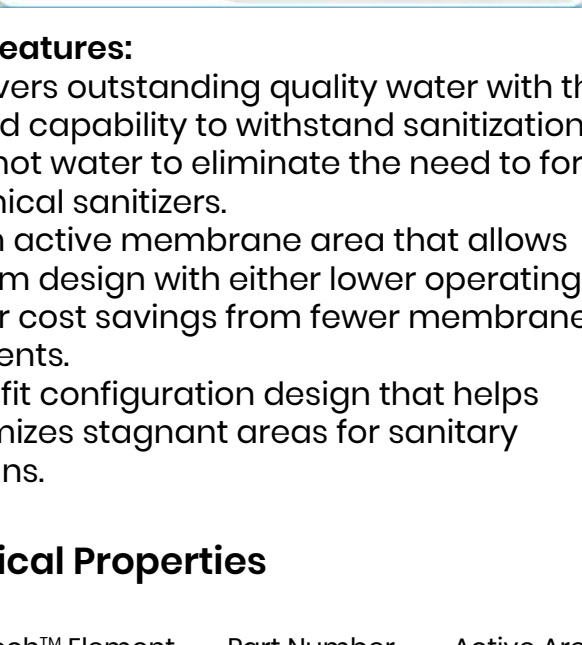


Dimensions inches (mm)	
A	40.0 (1,016)
B	7.9 (201)
C	1125 ID (29)

1 inch = 25.4 mm

FilmTech™ supplies coupler part number 35188 with each element. Each coupler includes two 3-9/32 DPE O-rings (part number 18705).

FilmTech™ Element
BW30 PRO–4040 & 2540



Key Features:

- Delivers consistent water quality and higher rejection and flow than previous generation BW30 product.
- Based on historical BW30 Industry-Standard RO membrane with decades of proven performance.
- Outstanding durability resulting in stable, long-term performance and sustainable water solutions.
- Enhance fouling protection.
- Dry elements achieve quick stabilization.

Key Application:

- Light industrial & Drinking water Applications
- applications requiring Stringent permeate quality
- Harsh Feed Water condition.

Typical Properties

Diagram illustrating the assembly components: End Cap and Mesh Wrap.

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FilmTech™ SW30HRLE-400

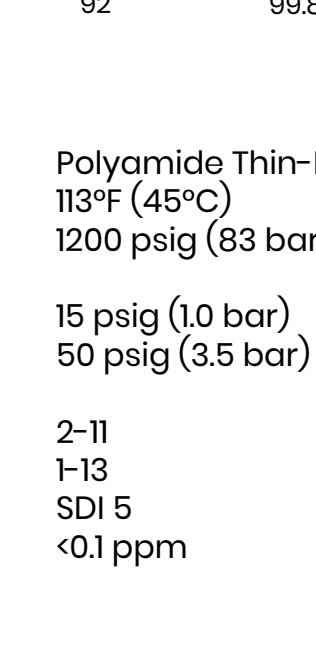
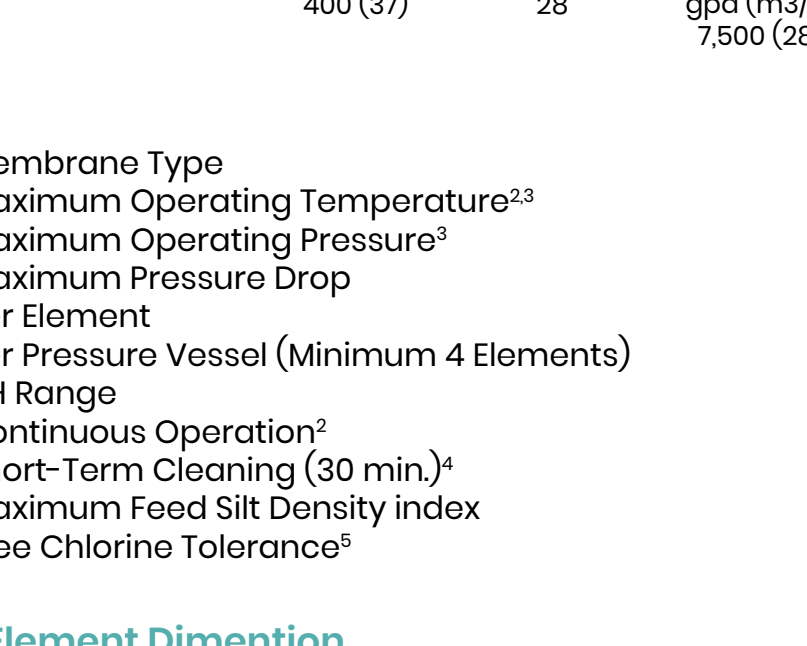
Sea Water High Permeate Quality Reverse Osmosis Membrane Element

For model 360 DuPont supplies two end caps (part number 10100) and one coupler (part number 250280) with seven ISO-200 element. Each coupler includes two 3-10 (ER D-rings (part number 10100)).

A	40.0 (1.0)
B	7.5 (2.0)
C	1125 (12.5)
D	1.144 (29.4)

© 1.144 Diameter
1125 x 29.4 mm

Element Dimention

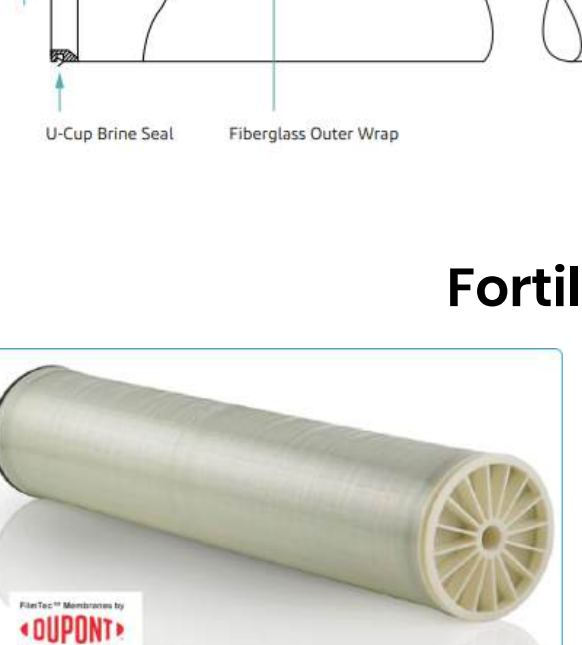


Dimensions inches (mm)	
A	40.0 (1,016)
B	7.9 (201)
C	1125 ID (29)

1 inch = 25.4 mm

FilmTech™ supplies coupler part number 35188 with each element. Each coupler includes two 3-9/32 DPE O-rings (part number 18705).

FilmTec™ Fortilife™
CR200 Element



Key Features:

- Enables up to 10% higher productivity relative to FilmTec™ Fortilife™ CR100 element.
- Ultra-low pressure drop element design to help provide.
- Robust, fouling resistant membrane and module design delivering up to 50% reduction in the number of cleanings caused by biological fouling.
- Durable membrane that withstands cleaning over a wide pH range (from pH 1 to pH 13) for a long service life of an element and cost-effective maintenance.

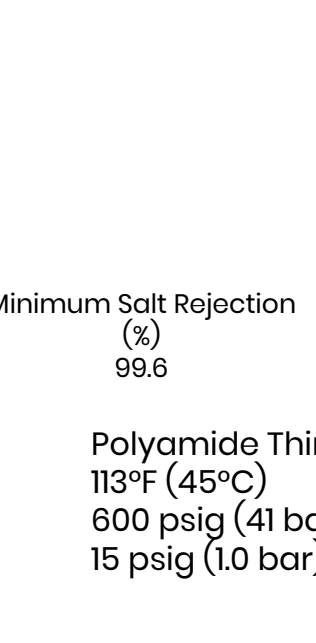
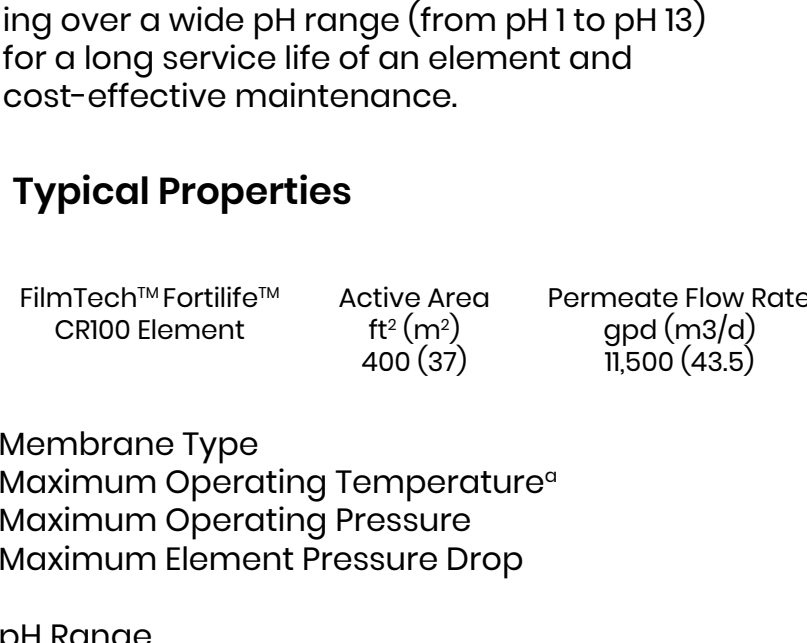
Key Application:

- Industrial and Municipal Wastewater reuse such as in textiles, steel & metals, chemical & petrochemical
- Demineralization for industrial utility water with challenging feedwater.

Typical Properties

Int™ Fortilife™ CR200 element	Active Area ft² (m²) 400 (37)	Feed Spacer Thickness (mil) 34	Permeate Flow Rate gpd (m³/d) 12,500 (47.3)	Stabilized Salt Rejection (%) 99.7	Minimum Salt Rejection (%) 99.4
Membrane Type Maximum Operating Temperature¹ Maximum Operating Pressure Maximum Pressure Drop Per Element Per Pressure Vessel (Minimum 4 Elements) pH Range Continuous Operation¹ Short-Term Cleaning¹ (30 min.)² Maximum Feed Flow³ Maximum Feed Silt Density Index Free Chlorine Tolerance⁴	Polyamide Thin-Film Composite 113°F (45°C) 600 psig (41 bar) 15 psig (1.0 bar) 50 psig (3.5 bar) 2-11 1-12 75 gpm (17m³/hr) SDI 5 <0.1 ppm				

Element Dimention

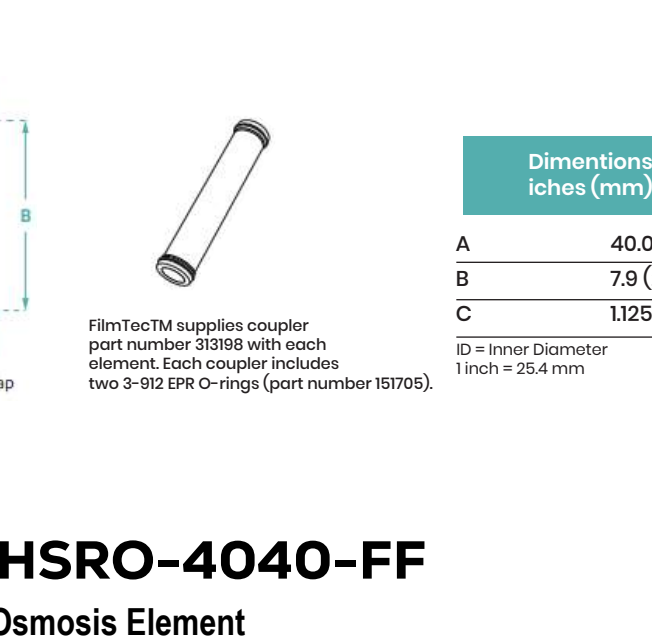
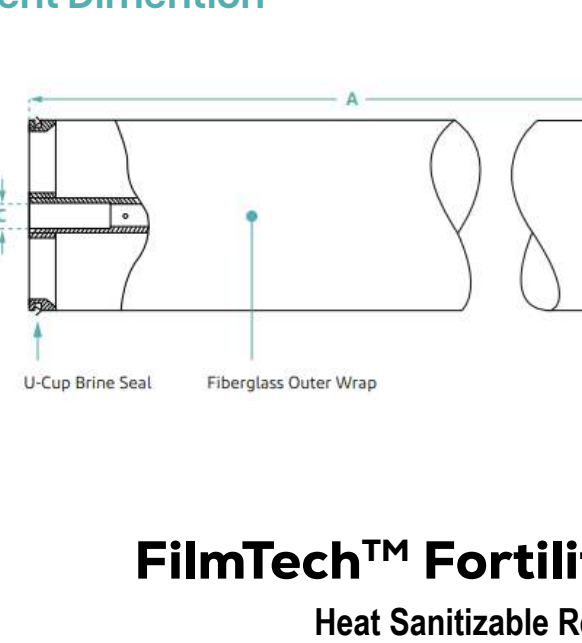


Dimensions inches (mm)	
A	40.0 (1,016)
B	7.9 (201)
C	1125 ID (29)

1 inch = 25.4 mm

FilmTech™ supplies coupler part number 35188 with each element. Each coupler includes two 3-9/32 DPE O-rings (part number 18705).

FilmTech™ Element
HSRO–390–FF



Key Features:

- Delivers outstanding quality water with the added capability to withstand sanitization with hot water to eliminate the need to for chemical sanitizers.
- High active membrane area that allows system design with either lower operating flux or cost savings from fewer membrane elements.
- Full-fit configuration design that helps minimize stagnant areas for sanitary designs.

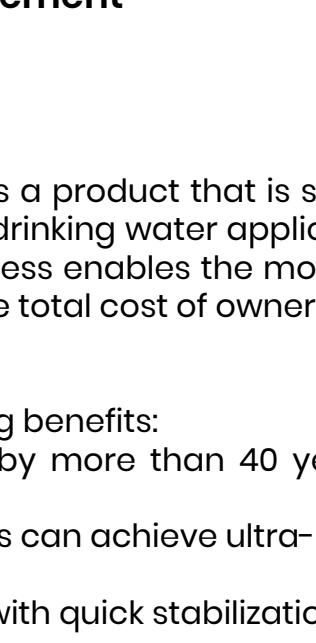
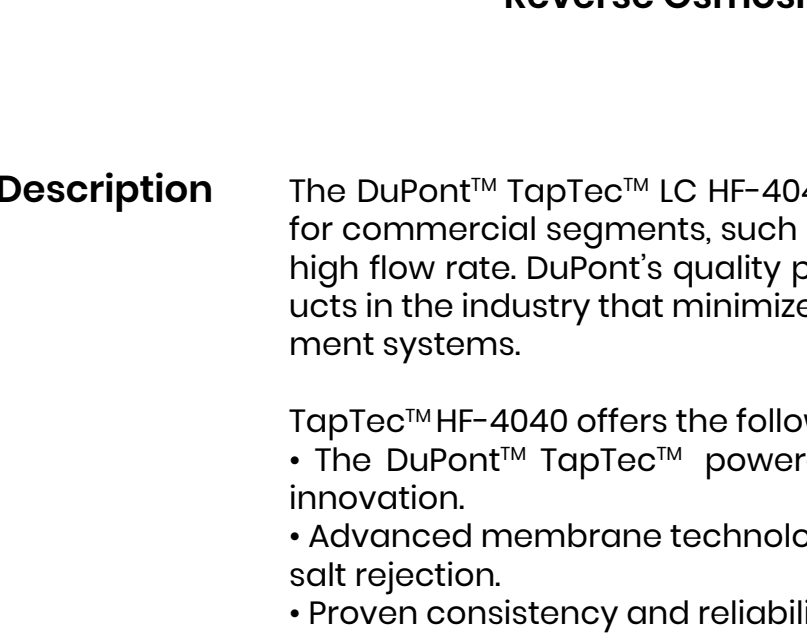
Key Application:

- Purified water in the Pharmaceutical, Medical, and Biotechnology applications.
- Permeate polishing in food and dairy processes.

Typical Properties

FilmTech™ Element HSRO-4040-FF	Active Area ft² (m²) 90 (8.4)	Permeate Flow Rate gpd (m³/d) 2,900 (11)	Minimum Salt Rejection (%) 97
Membrane Type	Polyamide Thin-Film Composite		
Maximum Operating Temperature ^a	113°F (45°C)		
Maximum Sanitization Temperature (@ 25 psig)	185°F (85°C)		
Maximum Operating Pressure	600 psig (41 bar)		
Maximum Pressure Drop			
Per Element	15 psig (1.0 bar)		
Per Vessel (Housing)	60 psig (4.1 bar)		
pH Range			
Continuous Operation ^a	2-11		
Short-Term Cleaning ^b	1-12		
Maximum Feed Silt Density Index (SDI)	SDI 5		
Free Chlorine Tolerance ^c	<0.1 ppm		

Element Dimention

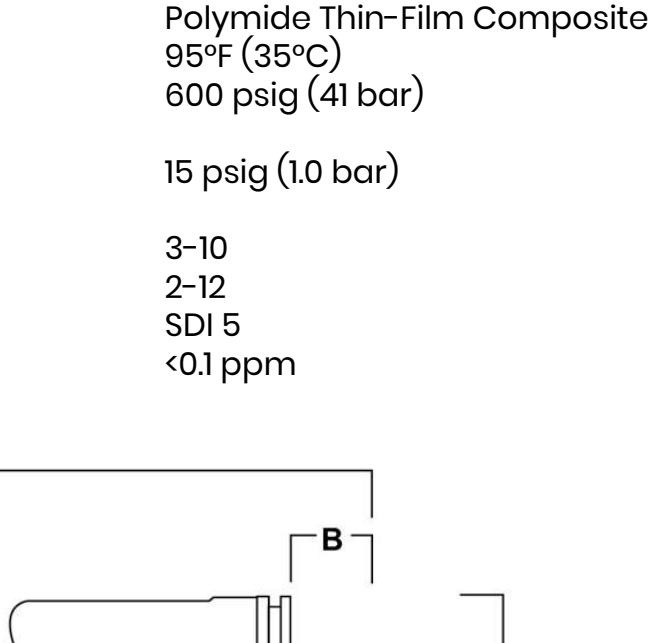
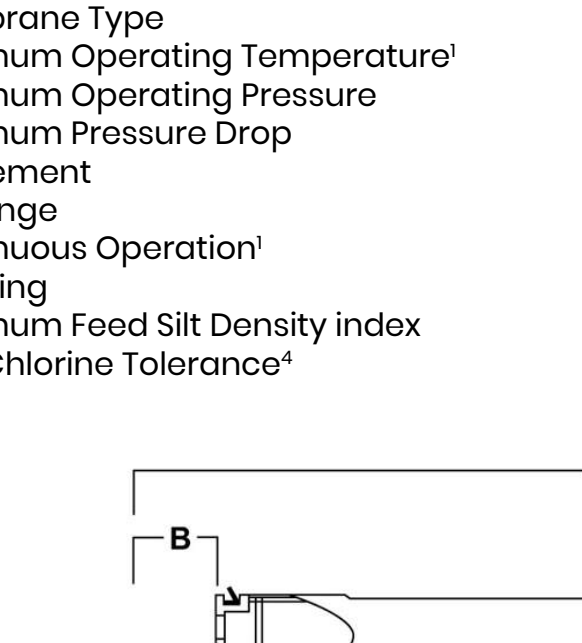


Dimensions inches (mm)	
A	40.0 (1,016)
B	7.9 (201)
C	1125 ID (29)

1 inch = 25.4 mm

For model 390 DuPont supplies two end caps (part number 18709) and one coupler (part number 26228) with each HSRO-390 element. Each coupler includes two 3-9/32 DPE O-rings (part number 18705).

FilmTech™ SW30HRL–400
Sea Water High Permeate Quality Reverse Osmosis Membrane Element



Key Features:

- Optimized combination of water production and permeate quality.
- Excellent durability resulting in stable, long-term performance.
- Longer storage time and warranty coverage with improved sustainability footprint versus our wet RO membrane elements.

Key Application:

- Sea Water desalination for municipal and industrial applications.
- Suitable for medium and high feed water salinity.
- Offers balance between permeate quality and energy consumption.
- Applicable for optimized Internally Stage Designs (ISD) in combination with other FilmTech™ sea water membranes.

Typical Properties

FilmTech™ Element SW30HRL–400	Active Area ft² (m²) 400 (37)	Feed Spacer Thickness Thickness (mil) 28	Permeate Flow Rate gpd (m³/d) 7,500 (28)	Stabilized Boron Rejection (%) 92	Stabilized Salt Rejection (%) 99.80	Minimum Salt Rejection (%) 99.65
Membrane Type Maximum Operating Temperature²³ Maximum Operating Pressure¹ Maximum Pressure Drop Per Element Per Pressure Vessel (Minimum 4 Elements) pH Range Continuous Operation³ Short-Term Cleaning (30 min.)⁴ Maximum Feed Flow⁵ Maximum Feed Silt Density Index Free Chlorine Tolerance⁶	Polyamide Thin-Film Composite 113°F (45°C) 1200 psig (83 bar) 15 psig (1.0 bar) 50 psig (3.5 bar) 2-11 1-13 75 gpm (17m³/hr) SDI 5 <0.1 ppm					

Element Dimention

Dimensions inches (mm)	
A	40.0 (1,016)
B	7.9 (201)
C	1125 ID (29)

1 inch = 25.4 mm

FilmTech™ supplies coupler part number 35188 with each element. Each coupler includes two 3-9/32 DPE O-rings (part number 18705).

Fortilife™ CR50

Key Features:

- Durable membrane with a cleaning tolerance over a wide pH range (pH 1-13) for consistent, long-lasting lifetime and economical effective cleaning.
- Contaminant resistant element design provides reliable system performance.
- Improved flowrate with lower energy consumption.

Key Application:

- Industrial and Municipal Wastewater reuse.
- Demineralization for industrial utility water with challenging feedwater.

Typical Properties

FilmTech™ Element Fortilife™ CR50	Active Area ft² (m²) 400 (37)	Feed Spacer Thickness (mil) 34-LDP	Permeate Flow Rate gpd (m³/d) 11,500 (43.5)	Minimum Salt Rejection (%) 99.6	Stabilized Salt Rejection (%) 99.8
Maximum Operating Temperature⁹ Maximum Operating Pressure Maximum Element Pressure Drop pH Range Continuous Operation⁹ Short-Term Cleaning (30 min.)¹⁰ Maximum Feed Flow¹¹ Maximum Feed Silt Density Index (SDI) Free Chlorine Tolerance⁹	113°F (45°C) 600 psig (41 bar) 15 psig (1.0 bar) 2-11 1-13 75 gpm (17m³/hr) SDI 5 <0.1 ppm				

Element Dimention

Dimensions inches (mm)	
A	40.0 (1,016)
B	7.9 (201)
C	1125 ID (29)

1 inch = 25.4 mm

FilmTech™ supplies coupler part number 35188 with each element. Each coupler includes two 3-9/32 DPE O-rings (part number 18705).

FilmTech™ Fortilife™
CR100 Element

Key Features:

- Offers exceptional permeate quality with excellent silica, boron, nitrate, TOC and ammonium rejection.
- Ultra-low pressure drop element design to help provide improved hydraulic balance and reliable system operation.
- Robust, fouling resistant membrane and module design delivering up to 50% reduction in the number of cleanings caused by biological fouling.
- Durable membrane that withstands cleaning over a wide pH range (from pH 1 to pH 13) for a long service life of an element and cost-effective maintenance.

Key Application:

- Industrial and Municipal Wastewater reuse such as in textiles, steel and metals, chemical & petrochemical.
- Demineralization for industrial utility water with challenging feedwater.

Typical Properties

FilmTech™ Fortilife™ CR100 Element	Active Area ft² (m²) 400 (37)	Permeate Flow Rate gpd (m³/d) 11,500 (43.5)	Minimum Salt Rejection (%) 99.6	Stabilized Salt Rejection (%) 99.8
Membrane Type Maximum Operating Temperature⁹ Maximum Operating Pressure Maximum Element Pressure Drop pH Range Continuous Operation⁹ Short-Term Cleaning (30 min.)¹⁰ Maximum Feed Flow¹¹ Maximum Feed Silt Density Index (SDI) Free Chlorine Tolerance⁹	Polyamide Thin-Film Composite 113°F (45°C) 600 psig (41 bar) 15 psig (1.0 bar) 2-11 1-12 75 gpm (17m³/hr) SDI 5 <0.1 ppm			

Element Dimention

Dimensions inches (mm)	
A	40.0 (1,016)
B	7.9 (201)
C	1125 ID (29)

1 inch = 25.4 mm

FilmTech™ supplies two end caps (part number 18709) and one coupler (part number 26228) with each CR100 element. Each coupler includes two 3-9/32 DPE O-rings (part number 18705).

FilmTech™ Fortilife™ HSRO–4040–FF
Heat Sanitizable Reverse Osmosis Element

Key Features:

- Delivers outstanding quality water with the added capability to withstand sanitization with hot water to eliminate the need for chemical sanitizers.
- High active membrane area that allows system design with either lower operating flux or cost savings from fewer membrane elements.
- Full-fit configuration design that minimizes stagnant areas for sanitary designs.

Key Application:

- Purified water in the pharmaceutical, medical and biotechnology applications.
- Permeate polishing in food and dairy processes.

Typical Properties

FilmTech™ Element HSRO–4040–FF	Active Area ft² (m²) 90 (8.4)	Permeate Flow Rate gpd (m³/d) 2,900 (11)	Minimum Salt Rejection (%) 97
Membrane Type Maximum Operating Temperature⁹ Maximum Sanitization Temperature (°@ 25 psig) Maximum Operating Pressure Maximum Pressure Drop Per Element Per Vessel (Housing) pH Range Continuous Operation⁹ Short-Term Cleaning³ Maximum Feed Flow⁵ Maximum Feed Silt Density Index (SDI) Free Chlorine Tolerance⁹	Polyamide Thin-Film Composite 113°F (45°C) 1800 psig (41 bar) 15 psig (1.0 bar) 60 psig (4.1 bar) 2-11 1-12 SDI 5 <0.1 ppm		

Element Dimention

Dimensions inches (mm)	
A	40.0 (1,016)
B	7.9 (201)
C	1125 ID (29)

1 inch = 25.4 mm

DuPont™ supplies two end caps (part number 18709) and one coupler (part number 26228) with each HSRO-4040 element. Each coupler includes two 3-9/32 DPE O-rings (part number 18705).

DuPont™ TapTec™
LC HF–4040
Reverse Osmosis Element

