



Product Data Sheet

FilmTec™ BW 8040 SP Element

Description

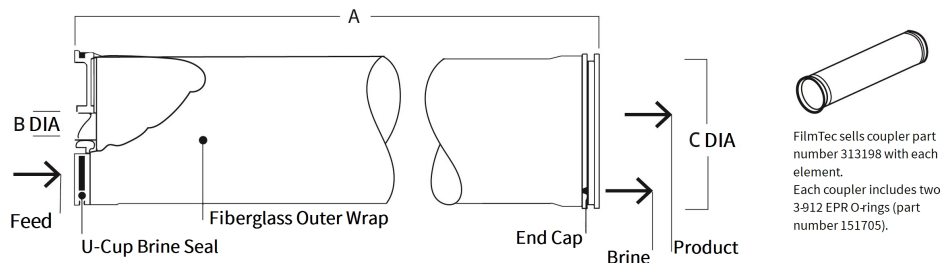
FilmTec™ BW 8040 SP is a surplus reverse osmosis element typically suitable for plant managers and operators dealing with brackish waters where there is suboptimal pretreatment with room for wide performance variability. FilmTec™ BW 8040 SP is of second quality and not subject to FilmTec's Standard Warranty. Under no circumstances may the product be used as replacement for standard FilmTec products where specifications and product warranties apply. The product may also not be used in systems where standard FilmTec product performance is expected.

Product Type

Spiral-wound element with polyamide thin-film composite membrane

Element Dimensions

Standard 8040

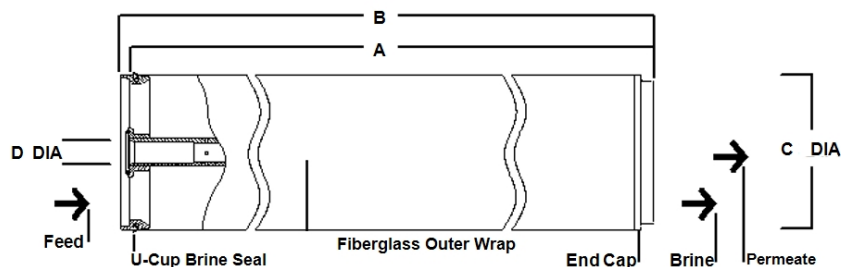


Dimensions – inches (mm)					1 inch = 25.4 mm	
	A		B		C	
FilmTec™ Element	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)
BW 8040 SP	40.0	1,016	1.125 ID	29 ID	7.9	201

1. Refer to [FilmTec™ Design Guidelines for multiple-element systems of 8-inch elements](#) (Form No. 45-D01695-en).
2. Element to fit nominal 8-inch (203-mm) I.D. pressure vessel.

Element Dimensions (Cont.)

iLEC™



Dimensions – inches (mm)							1 inch = 25.4 mm	
	A		B		C		D	
FilmTec™ Element	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
BW 8040 SP	40.0	1,016	40.5	1,029	7.9	201	1.125 ID	29 ID

1. Refer to [FilmTec™ Design Guidelines for multiple-element systems of 8-inch elements](#) (Form No. 45-D01695-en).
2. Element to fit nominal 8-inch (203-mm) I.D. pressure vessel.
3. Individual elements with iLEC™ Interlocking Endcaps measure 40.5 inches (1,029 mm) in length (B). The net length (A) of the elements when connected is 40.0 inches (1,016 mm).

Operating and Cleaning Limits

Maximum Operating Temperature ^a	113°F (45°C)
Maximum Operating Pressure	600 psig (4.1 bar)
Maximum Element Pressure Drop	15 psig (1.0 bar)
pH Range	
Continuous Operation ^a	2 - 11
Short-Term Cleaning (30 min.) ^b	1 - 13
Maximum Feed Silt Density Index (SDI)	SDI 5
Free Chlorine Tolerance ^c	< 0.1 ppm

- a. Maximum temperature for continuous operation above pH 10 is 95°F (35°C).
- b. Consult your DuPont representative for advice on applications above 95°F (35°C). Refer to [FilmTec™ Elements Operating Limits](#) (Form No. 45-D00691-en) for warranty-voiding conditions and additional information.
- c. Refer to [Cleaning Guidelines](#) (Form No. 45-D01696-en).
- d. Under certain conditions, the presence of free chlorine and other oxidizing agents will cause premature membrane failure. Since oxidation damage is not covered under warranty, DuPont Water Solutions recommends removing residual free chlorine by pretreatment prior to membrane exposure. Please refer to [Dechlorinating Feedwater](#) (Form No. 45-D01569-en) for more information.

Additional Important Information

- Remove any rubber band on the exterior body of the element prior to installation. All brine seals and o-rings should remain on the element.

Before use or storage, review these additional resources for important information:

- [Usage Guidelines for FilmTec™ 8" Elements](#) (Form No. 45-D01706-en)
- [Start-Up Sequence](#) (Form No. 45-D01609-en)

Product Stewardship

DuPont has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with DuPont products—from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

DuPont strongly encourages its customers to review both their manufacturing processes and their applications of DuPont products from the standpoint of human health and environmental quality to ensure that DuPont products are not used in ways for which they are not intended or tested. DuPont personnel are available to answer your questions and to provide reasonable technical support. DuPont product literature, including safety data sheets, should be consulted prior to use of DuPont products. Current safety data sheets are available from DuPont.

Please be aware of the following:

- The use of this product in and of itself does not necessarily guarantee the removal of cysts and pathogens from water. Effective cyst and pathogen reduction is dependent on the complete system design and on the operation and maintenance of the system.
- Permeate obtained from the first hour of operation should be discarded.

Regulatory Note

This product may be subject to drinking water application restrictions in some countries; please check the application status before use and sale.

Have a question? Contact us at:

www.dupont.com/water/contact-us

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