

Product Data Sheet



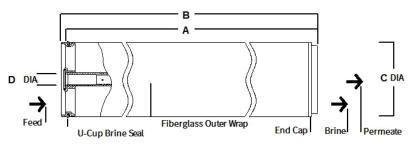
FilmTec™ Eco Pro-440i Element

Description	Ideal for: reverse osmosis plant managers and operators dealing with controlled pre-treatment waters and seeking advanced membrane treatment with high water purity and low energy consumption.						
	 FilmTec[™] Eco Pro-440i: Offers high salt-rejection at low pressure Delivers excellent silica, boron, nitrate, TOC and ammonium rejection Provides increased active area with the most effective cleaning performance, robustness and durability due to its widest cleaning pH range (1-13) and chemical tolerance and the support of DuPont technical representatives Includes iLEC[™] interlocking end caps, reducing system operating costs and the risk of o-ring leaks that can cause poor water quality 						
Product Type	Spiral-wound element with polyamide thin-film composite membrane						

Typical Properties

FilmTec™	Active	Area	Feed Spacer	Permeate Flow Rate		Typical Stabilized Salt	Minimum Salt	
Element	(ft ²)	(m ²)	Thickness (mil)	(GPD)	(m ³ /d)	Rejection (%)	Rejection (%)	
Eco Pro-440i	440	41	28	12,650	48	99.7	99.4	
		1	. Permeate flow an	d salt (NaCl) re	ejection based	on the following standard test con	ditions: 2,000 ppm	
			NaCl, 150 psi (10.	.3 bar), 77°F (2	25°C), pH 8, 15	% recovery.		
		2	. Flow rates for indi	vidual element	s may vary but	t will be no more than ±15%.		
		3	 Stabilized salt rejet 	ection is genera	ally achieved w	ithin 24-48 hours of continuous us	se; depending	
			upon feedwater cl	naracteristics a	ind operating c	onditions.		
		4	. Sales specification	ns may vary as	design revisio	ons take place.		
		5	. Active area guara	nteed ± 3%. A	ctive area as st	tated by DuPont Water Solutions i	s not comparable to	
			nominal membran	e area often s	ated by some	manufacturers.		

Element Dimensions



	Dimensions	s – inches (mm))				1 inc	ch = 25.4 mm	
	Α			В		С	D		
FilmTec™ Element	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	
Eco Pro-440i	40.0	1,016	40.5	1,029	7.9	201	1.125 ID	29 ID	
		Refer to <u>FilmTer</u> <u>elements</u> (Form Element to fit no Individual elements of the elements	No. 45-D0169 ominal 8-inch (2 ents with iLEC ⁺	5-en). 203-mm) I.D. pr ™ endcaps mea	essure vessel Isure 40.5 incl	nes (1,029 mm	<u>ch</u>) in length (B). Th	ne net length (A	
Operating and		imum Operating		а			113°F (45°C)		
Cleaning Limits	Maximum Operating Pressure					600 psig (41 bar)			
-		imum Element F	Pressure Drop				15 psig (1.0 bar))	
	pH Range 2–11 Short-Term Cleaning (30 min.) 1–13 Maximum Feed Silt Density Index (SDI) SDI 5 Free Chlorine Tolerance < 0.1 ppm						olutions		
Additional Important Information	 Before use or storage, review these additional resources for important information: I <u>Usage Guidelines for FilmTec™ 8" Elements</u> (Form No. 45-D01706-en) I <u>Start-Up Sequence</u> (Form No. 45-D01609-en) 								
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	 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. 				
Regulatory Note	This product may be subject to drinking water application restrictions in some countries; please check the application status before use and sale.				

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