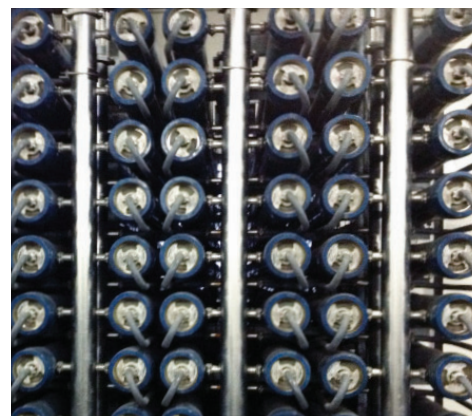


S-Series Ultrafiltration (UF) Process Spiral Elements

PES membrane with polyester support for industrial applications



S-Series ultrafiltration process spiral elements are designed to provide extended life in a wide range of industrial fluid applications. The Polyethersulfone (PES) membrane provides excellent chemical and temperature resistance under a variety of process conditions.

Membranes Available

Membrane Type	MWCO
SB	5,000
SD	10,000
SF	20,000



Contact Information

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Benefits

- Designed to withstand daily cleaning cycles
- Element construction developed for enhanced durability and extended life
- Elements designed to conform to FDA/CFR Title 21 standards
- Certified EU1935/2004EC & Plastics Regulation 10/2011
- Available in standard diameter or custom configurations for maximum performance and optimal cleaning
- Parker proprietary Crease Protector Technology (CPT)
- Exclusive blister-resistant technology

Applications

- Pyrogen removal
- RO Permeate polishing
- Chemical contaminant removal
- Wastewater recovery

ENGINEERING YOUR SUCCESS.

S-Series Ultrafiltration (UF) Process Spiral Elements

Materials of Construction:

Membrane	Polyethersulfone
Support Material	Polyester
Permeate Tube	Polysulfone

- Special element construction available for high temperature/high pressure conditions/non-standard pH ranges & validation requirements
- Stainless steel permeate tube configurations available
- Polysulfone ATD & interconnectors provided

Operating Parameters:

Maximum operating temperature*	145°F (63°C)
Typical inlet pressure**	100-140 psi (7-10 bar)
pH range, continuous	3 - 10
pH range, short-term cleaning***	1.8 - 11.5 @ 122°F (50°C)
Maximum chlorine concentration	180 ppm @ 9-11 pH
Other oxidizing agents****	Consult factory

- * Temperature >40°C require reduced element differential
- ** Recommended cross flow rates and ΔP are dependent on various process parameters
- *** Consult factory for cleaning chemical guidelines, and cleaning water quality documents
- **** Consult with a Parker technical representative for specific limitations

Notes:

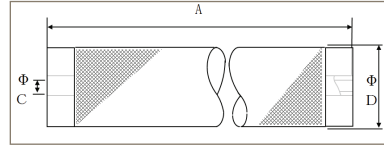
- Elements can be high temperature sanitized, consult a Parker technical representative for details
- Separate specifications are available including UF cleaning guidelines and water quality documents

Element Dimensions

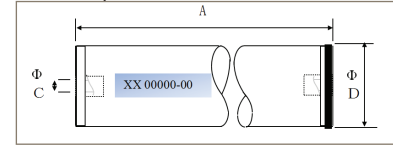
Model	Diameter (D)		Length (A)		Central Tube ID* (C)	
	(in)	(mm)	(in)	(mm)	(in)	(mm)
4040	4.00	101.6	40.00	1016.0	0.625	15.9
8040	7.92	201.2	40.00	1016.0	1.125	28.6

*Other PWT ID available upon request, consult your Parker representative for details

Netted w/ATD



Hard wrap



Element Area

Model	Spacer																			
	Diamond									Parallel										
	K		P		B		O		L		A		M		Q		E		F	
	(24 mil) ft ²	(.6 mm) m ²	(28 mil) ft ²	(.7 mm) m ²	(31 mil) ft ²	(0.8 mm) m ²	(43 mil) ft ²	(1.1 mm) m ²	(65 mil) ft ²	(1.7 mm) m ²	(80 mil) ft ²	(2.0 mm) m ²	(100 mil) ft ²	(2.5 mm) m ²	(46 mil) ft ²	(1.2 mm) m ²	(65 mil) ft ²	(1.7 mm) m ²	(80 mil) ft ²	(2.0 mm) m ²
4040	84.8	7.9	78.92	7.3	74.6	6.9	60.27	5.6	43	4.0	35.9	3.3	30.1	2.8	60.27	5.6	43	4.0	35.9	3.3
8040	394.4	36.7	366.4	34.1	347	32.2	279.6	26.0	205.4	19.1	175.8	16.3	144.9	13.5	279.6	26.0	205.4	19.1	175.8	16.3

Ordering Information

Each element is identified with a product number and lot number for traceability. **Example Order Configuration: SB 40 40 - BS - S**

Membrane Type		Nominal Diameter		Length		Feeder Spacer		Control Number	Outer Wrap	
Code	MWCO	Code	Inches	Code	Inches	Code	Size		Code	Description
SB	5,000			40	40		Diamond	Consult a Parker representative for the specific code to match your application	S	Std. full-fit (4in.)
SD	10,000	40	4.0			K	24 mil		ST	Reinforced full-fit
SF	20,000	80	7.9			P	28 mil		QT	Extra reinforced full-fit
						B	31 mil		H	Hard wrap
						O	43 mil			
						L	65 mil			
						A	80 mil			
						M	100 mil			
						Parallel				
						Q	46 mil			
						E	65 mil			
						F	80 mil			

WARNING: This product can expose you to chemicals including N-Methylpyrrolidone, which is known to the State of California to cause birth defects or other reproductive harm, and may expose you to chemicals including DEHP or Titanium Dioxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

