



SPIRA-CEL® FY E-Coat Paint UV200 Series

SPIRA-CEL® spiral wound elements have a compact design and offer an optimum surface-area-to-volume-ratio. The feed channel height can be varied by the thickness of the spacer material (from 30 to 80 mil), which allows for adaptation to different levels of solids content of the liquid. This design feature leads to excellent hydrodynamics in combination with low energy demand.

Membrane Characteristics

Membrane	Nominal M.W.C.O. (Da)
NADIR® UV200	200,000

Maximum Operating Pressure.....	10 bar (145 psi)
Maximum Cleaning Pressure	3 bar (44 psi)
Maximum Operating Temperature.....	50°C (122°C)
Operating pH Range.....	2.5 – 11.0
Maximum Pressure Drop	2.1 bar (30 psi)
Maximum Cleaning Concentrations ¹	20% butyl glycol 10% acetic/lactic acid

¹ Typical cleaning concentrations are 5% butyl glycol, or 3% acetic acid or lactic acid.

Design Information

MICRODYN-NADIR has the versatility to customize elements to meet customers' specific needs. Please contact MICRODYN-NADIR for information on customized solutions.

Model	Membrane Area m ² (ft ²)	Feed Spacer Thickness (mil) ^a
SPIRA-CEL® FY UV200 4026B	4.9 (53)	31
SPIRA-CEL® FY UV200 4026C	3.9 (42)	46
SPIRA-CEL® FY UV200 4040B	7.5 (81)	31
SPIRA-CEL® FY UV200 4040C	6.0 (65)	46
SPIRA-CEL® FY UV200 4333B	7.0 (75)	31
SPIRA-CEL® FY UV200 4333C	6.0 (65)	46
SPIRA-CEL® FY UV200 7533B	26.0 (280)	31
SPIRA-CEL® FY UV200 8040B	32.0 (344)	31
SPIRA-CEL® FY UV200 8040C	25.0 (269)	46

^a All models on this sheet are net-wrapped and have diamond shaped feed spacers.

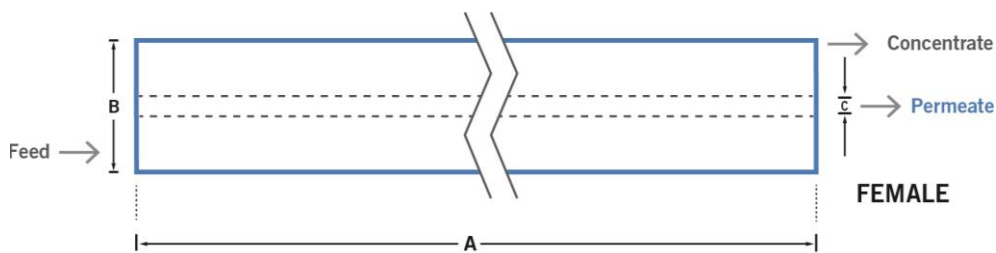


Product Specification (continued)

Physical Dimensions

Model	Element Weight kg (lbs) ^b	Dimensions, mm (inches)			Permeate Tube
		A	B	C ^c	
SPIRA-CEL® FY UV200 4026B	4 (9)	636 (25.0)	101.5 (4.0)	16.0 (0.63)	Female
SPIRA-CEL® FY UV200 4026C	4 (9)	636 (25.0)	101.5 (4.0)	16.0 (0.63)	Female
SPIRA-CEL® FY UV200 4040B	4 (9)	984 (38.7)	101.5 (4.0)	16.0 (0.63)	Female
SPIRA-CEL® FY UV200 4040C	4 (9)	984 (38.7)	101.5 (4.0)	16.0 (0.63)	Female
SPIRA-CEL® FY UV200 4333B	4 (9)	838 (33.0)	109.5 (4.3)	21.1 (0.83)	Female
SPIRA-CEL® FY UV200 4333C	4 (9)	838 (33.0)	109.5 (4.3)	21.1 (0.83)	Female
SPIRA-CEL® FY UV200 7533B	16 (36)	838 (33.0)	190 (7.5)	28.9 (1.138)	Female
SPIRA-CEL® FY UV200 8040B	16 (36)	972 (38.3)	200.5 (7.9)	30.15 (1.187)	Female
SPIRA-CEL® FY UV200 8040C	16 (36)	972 (38.3)	200.5 (7.9)	30.15 (1.187)	Female

^b Shipping weight is dependent on packaging material and quantity shipped.
^c Dimension "C" is the Inner Diameter.



Important Information

- Start-up:** MICRODYN-NADIR recommends flushing elements for 30 minutes at low pressure and discarding permeate during the flush prior to operation. For a more detailed start-up procedure, please see *Element Start-Up Guide – System Start-Up* (TSG-O-005).
- Cleaning:** SPIRA-CEL® membrane elements must be cleaned periodically to ensure proper operation and to prevent membrane damage. Please see our *Membrane Cleaning Guides*.
- Storage:** SPIRA-CEL membrane elements must be stored appropriately to ensure proper operation and to prevent membrane damage. Please see *Element Storage Guides* (TSG-O-009 & TSG-O-010).

Customizable Specialty Elements

MICRODYN-NADIR offers a full range of membranes and element designs for challenging water and process applications. Technologies include low-fouling RO, submerged UF, continuous high temperature, ultra-high pressure, unique sanitary designs and more. Contact MICRODYN-NADIR to customize a product that satisfies your specific requirements.

Solving Unmet Needs with Customized Products



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