

SPIRA-CEL® EY E-Coat

UV200 Series



LENNTECH
WATER TREATMENT Solutions

SPIRA-CEL® EY E-Coat spiral wound elements feature a fiberglass outer wrap 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	NADIR® UV200
Nominal M.W.C.O (Da)	200,000

DESIGN INFORMATION

Model	Membrane Area m ² (ft ²)	Feed Spacer Thickness (mil) ^a
SPIRA-CEL® EY UV200 4020B	3.5 (38)	31
SPIRA-CEL® EY UV200 4020C	3.0 (32)	46
SPIRA-CEL® EY UV200 4026B	4.9 (53)	31
SPIRA-CEL® EY UV200 4026C	3.9 (42)	46
SPIRA-CEL® EY UV200 4040B	7.5 (81)	31
SPIRA-CEL® EY UV200 4040C	6.0 (65)	46
SPIRA-CEL® EY UV200 7640B	27.0 (291)	31
SPIRA-CEL® EY UV200 8040B	32.0 (344)	31
SPIRA-CEL® EY UV200 8040C	25.0 (269)	46
SPIRA-CEL® EY UV200 8040B (USA)	32.0 (344)	31
SPIRA-CEL® EY UV200 8040C (USA)	25.0 (269)	46

^a All models on this sheet have fiberglass outer wrap, diamond-shaped feed spacers, and one brine seal. All models on this sheet include anti-telescoping devices (ATDs) attached to the ends of the element as default. ATDs can instead be provided loose in the box on request.

OPERATING PARAMETERS

Maximum Operating Pressure	10 bar (145 psi)
Maximum Cleaning Pressure	3 bar (44 psi)
Maximum Operating Temperature	50°C (122°F)
Operating pH Range	2.5 – 11.0
Maximum Pressure Drop	2.1 bar (30 psi)
Maximum Cleaning Concentrations¹	20% butyl glycol; 10% acetic/lactic acid

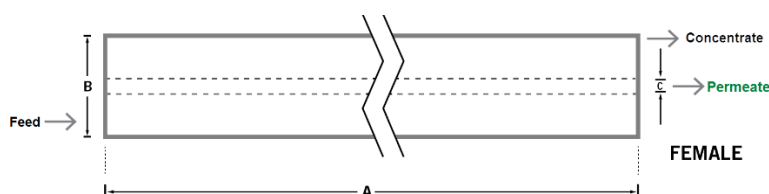
¹ Typical cleaning concentrations are 5% butyl glycol, or 3% acetic acid or lactic acid.

PHYSICAL DIMENSIONS

Model	Element Weight kg (lb) ^b	Dim. A mm (inches)	Dim. B mm (inches)	Dim. C ^c mm (inches)	Permeate Tube
SPIRA-CEL® EY UV200 4020B	2 (4)	508 (20.0)	101.5 (4.0)	16.0 (0.63)	Female
SPIRA-CEL® EY UV200 4020C	2 (4)	508 (20.0)	101.5 (4.0)	16.0 (0.63)	Female
SPIRA-CEL® EY UV200 4026B	4 (9)	667 (26.3)	101.5 (4.0)	16.0 (0.63)	Female
SPIRA-CEL® EY UV200 4026C	4 (9)	667 (26.3)	101.5 (4.0)	16.0 (0.63)	Female
SPIRA-CEL® EY UV200 4040B	4 (9)	1,016 (40.0)	101.5 (4.0)	16.0 (0.63)	Female
SPIRA-CEL® EY UV200 4040C	4 (9)	1,016 (40.0)	101.5 (4.0)	16.0 (0.63)	Female
SPIRA-CEL® EY UV200 7640B	16 (36)	1,016 (40.0)	185.0 (7.3)	32.7 (1.29)	Female
SPIRA-CEL® EY UV200 8040B	16 (36)	1,016 (40.0)	200.5 (7.9)	30.15 (1.187)	Female
SPIRA-CEL® EY UV200 8040C	16 (36)	1,016 (40.0)	200.5 (7.9)	30.15 (1.187)	Female
SPIRA-CEL® EY UV200 8040B (USA)	16 (36)	1,016 (40.0)	200.5 (7.9)	28.9 (1.138)	Female
SPIRA-CEL® EY UV200 8040C (USA)	16 (36)	1,016 (40.0)	200.5 (7.9)	28.9 (1.138)	Female

^b Shipping weight is dependent on packaging material and quantity shipped.

^c Dimension "C" is the Inner Diameter.



IMPORTANT INFORMATION

Start-up: MANN+HUMMEL Water & Fluid Solutions 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: TRISEP® membrane elements must be cleaned periodically to ensure proper operation and to prevent membrane damage. Please see our Membrane Cleaning Guides.

Storage: TRISEP 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

MANN+HUMMEL Water & Fluid Solutions 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 us to customize a product that satisfies your specific requirements.

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DATE: 07/01/2021

