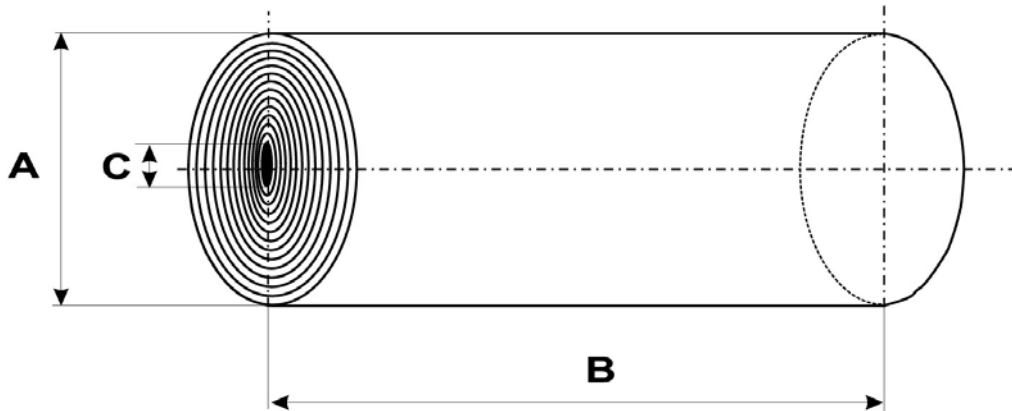


# SPIRA-CEL<sup>®</sup> Data Sheet

## - Modules for Ultrafiltration -

### FY-UV200-8040 Series

Modules for Ultrafiltration of Electrocoat Paint



Module				Membrane		
		A	B	C		
		Ø Outside Module	Length Module	Ø Inside Permeate tube		
Dimension	mm	200.5	972	30.15	Regular membrane type	UV200
Tolerance	mm	+0 / -2	+1 / -2	± 0.1	Membrane material	PVDF
					Nom. MWCO (kDa)	200

Module specs & data			
Spacer thickness, diamond type		mil / mm	31 / 0.8    44 / 1.1
Membrane area		m <sup>2</sup>	32.0    25.0
Outer wrap			Spacer wrap

Recommended operating conditions			
Prefiltration		µm	≤ 25    ≤ 50
Crossflow, min. <sup>1)</sup>		m <sup>3</sup> /h	18    22
Feed pressure		bar	2.8    2.8
Retentate pressure		bar	1.0    1.0
Permeate pressure		bar	0    0

Allowable operating conditions			
Feed pressure, max.		bar	10    10
Retentate pressure, min.		bar	0.7    0.7
Permeate pressure, max.		bar	0.25    0.25
Cleaning pressure, max.		bar	3    3
Pressure loss, max. (Δp <sub>max</sub> )		bar	2.1    2.1
Processing temperature		°C	5 - 50    5 - 50
pH range during processing			2.5 - 11    2.5 - 11

<sup>1)</sup> Please adjust the cross-flow if you use an ATD without lip-seal.

**Note:**

This module-type is preserved with an isopropanol solution.  
Not all combinations are available. Please do not hesitate to contact MICRODYN-NADIR for any further information.

MICRODYN-NADIR behält sich das Recht vor, Angaben ohne vorherige Ankündigung anzupassen.  
We reserve the right to change specifications without prior notification.

MICRODYN-NADIR GmbH  
Industriepark Kalle-Albert  
Rheingaustraße 190 – 196  
D-65203 Wiesbaden

Telefon: +49 (0) 611/962-6001  
Telefax: +49 (0) 611/962-9237  
E-Mail: info@microdyn-nadir.de  
Internet: www.microdyn-nadir.de



# SPIRA-CEL<sup>®</sup> Data Sheet

- Modules for Ultrafiltration -

## FY-UV200-8040 Series

### Changes:

The here printed values may be subject to changes. Presently valid are the values on the data sheet shown on web site [www.microdyn-nadir.com](http://www.microdyn-nadir.com).

### Tolerances:

The tolerances indicated on our data sheets are composed to the best of our knowledge.

### Warranty:

Stated warranties are valid if values on this data sheet are followed during use of the module(s) only. Also rules for installation, cleaning, water and preservation have to adhered to and log registered made available for MICRODYN-NADIR on request. MICRODYN-NADIR approved cleaning detergent, anti-foam, polymers, other chemicals and filter-aids lubricants can be applied only.

### First Cleaning:

MICRODYN-NADIR modules may be put into production after having gone through the first cleaning prescribed by MICRODYN-NADIR on product packing notes or given differently by MICRODYN-NADIR.

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E-Mail: [info@microdyn-nadir.de](mailto:info@microdyn-nadir.de)  
Internet: [www.microdyn-nadir.de](http://www.microdyn-nadir.de)

