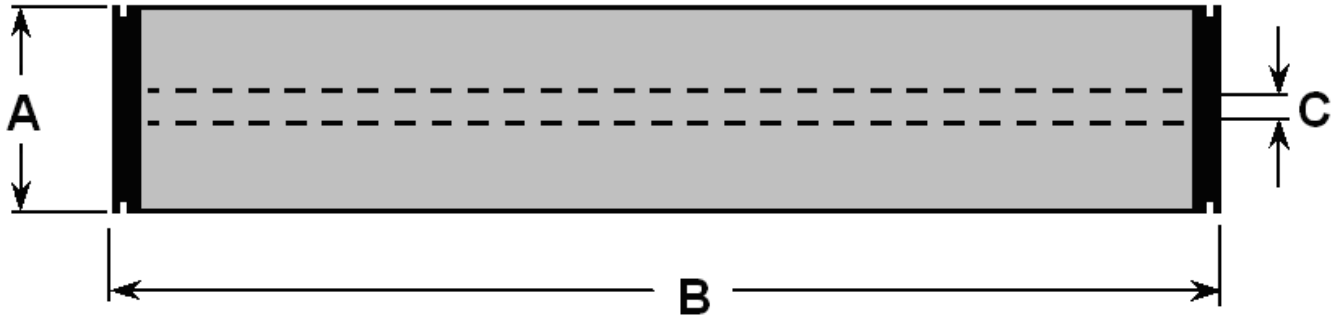


SPIRA-CEL[®] Data Sheet

- Modules for Ultrafiltration -

GY-UP-4040 Series

Modules for Environmental and Industrial Applications



Module		A	B	C
		Ø Outside Module	Length Module	Ø Inside Permeate tube
Dimension	mm	101.5	1016	16.0
Tolerance	mm	+0 / -2	+1 / -3	± 0.1

Membrane				
Regular membrane type	UP005	UP010	UP020	UP150
Membrane material	PES	PES	PES	PES
Nom. MWCO (kDa)	5	10	20	150

Module specs & data		
Spacer thickness, diamond type	mil / mm	44 / 1.1
Membrane area	m ²	6.0
Outer wrap		FRP shell

Recommended operating conditions		
Prefiltration	µm	≤ 75
Cross flow ⁽¹⁾	m ³ /h	6 - 10
Permeate pressure	bar	0

Allowable operating conditions		
Feed pressure, max.	bar	10
Retentate pressure, min.	bar	0.7
Transmembrane pressure, max.	bar	10
Permeate pressure, max.	bar	0.35
Pressure loss per module, max. (Δp _{max}), 5 - 50 °C	bar	2
Pressure loss per module, max. (Δp _{max}), 50 - 65 °C	bar	1.3
Pressure loss per module, max. (Δp _{max}), 65 - 80 °C	bar	0.5
Pressure loss per housing, max. at 80 °C	bar	2
Processing temperature	°C	5 - 80
pH range during filtration		2 - 11
pH range during CIP		1 - 12

⁽¹⁾ for water at 25 °C

Note:

All modules from GY-Series will be delivered with attached ATDs.

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[®] Data Sheet

- Modules for Ultrafiltration -

GY-UP-4040 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.

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 be 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.

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

