

Ultrafiltration membrane elements  
for ground and artesian waters  
clarification

## Product Description

Membrane material	Polysulfone
Membrane type	RM33PS with proteins molecular weight cut-off (MWCO) of over 20,000 Daltons
Design	Spiral wound
Features	Shrink film-wrapped (-F)

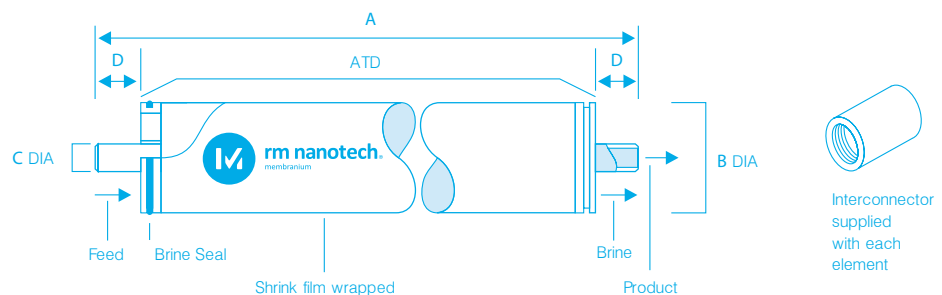
## Specification

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Test conditions: 0,1% solution of myoglobin (17 kDa) in 0,9% solution of NaCl, P=0,1 MPa, T=25 °C. Recovery -15%  
Membrane's specific flow by demineralized water (SDI<1) is min. 150 l/(hr\*m<sup>2</sup>\*0,1 MPa)

Model	Rejection by protein*, %	Area		Spacer	
		m <sup>2</sup>	ft <sup>2</sup>	mm	mil
4040-F20-1	97*	8	86\	0,71	28
4040-F20-2	97*	7,7	83	0,79	31
4040-F20-3	97*	7,4	80	0,86	34

## Operating conditions

Recommended operation pressure, MPa	0,2-1,5
Maximum operation pressure, MPa	2,1
Maximum pressure drop, MPa	0,1
Operation temperature, °C <sup>1)</sup>	4-50
pH at operation <sup>1)</sup>	2-12
CIP pH (short time operation)	1-13
Acceptable free Chlorine concentration during disinfection (not longer than 30 min), mg/l	200
Maximum feed flow, m <sup>3</sup> /hr	6,8
Concentrate/permeate ratio on each element, min	5:1
Turbidity, NTU max	1



Model	A mm	B mm	B' (ATD) mm	C mm	D mm	Weight kg
4040-F20-1/2/3	1016	101,6	100,3	19,1	26,7	3,6

## LENNTECH

info@lennotech.com Tel. +31-152-610-900  
www.lennotech.com Fax. +31-152-616-289