

### 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

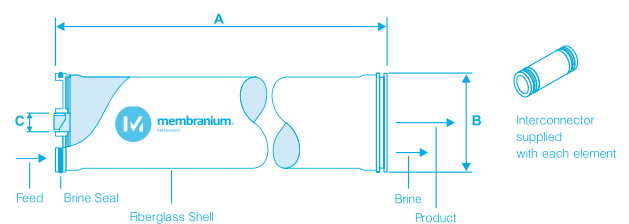
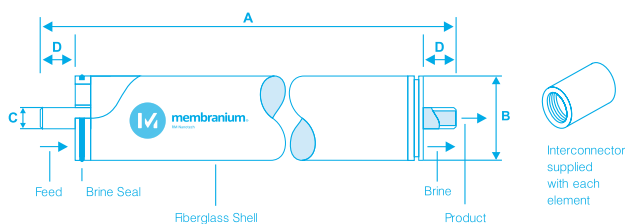
**\***  
 Test conditions: 0,1% solution of myoglobin (17 kDa) in 0,9% solution of NaCl, P=0,1 MPa, T=25 °C. Recovery -15%  
 Membrane's specific flow by demineralized water (SDI<1) is min. 150 l/(hr\*m2\*0,1 MPa)

**\*\***  
 Test conditions: 0,1% solution of myoglobin (69 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. 240 l/(hr\*m2\*0,1 MPa)

Model	Rejection by protein*, %	Area		Spacer	
		m2	ft2	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
8040-F20-1	97*	39	420	0,71	28
8040-F20-2	97*	37	400	0,79	31
8040-F20-3	97*	35	375	0,86	34
4040-F50-1	98**	8	86	0,71	28
4040-F50-2	98**	7,7	83	0,79	31
4040-F50-3	98**	7,4	80	0,86	34
8040-F50-1	98**	39	420	0,71	28
8040-F50-2	98**	37	400	0,79	31
8040-F50-3	98**	35	375	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>	2-11
CIP pH (short time operation)	1-12
Acceptable free Chlorine concentration during disinfection (not longer than 30 min), mg/l	200
Maximum feed flow, m3/hr	6,8
Concentrate/permeate ratio on each element, min	5:1
Turbidity, NTU max	1



Model	A mm	B mm	C mm	D mm
4040-F20,F50-1/2/3	1016	100	19,1	26,7

Model	A mm	B mm	C mm
8040-F20,F50-1/2/3	1016	200,1	28,6