

Electrodialysis

Technical Data of ED Stacks

<i>Stack Type</i>		<i>Micro-ED</i>	<i>ED 64</i>	<i>ED 200</i>	<i>ED 1000 A</i>	<i>ED 1000 H</i>
<i>Characteristic</i>		<i>ED</i>	<i>ED/EDBM</i>	<i>ED</i>	<i>cont-ED</i>	<i>ED</i>
Effective Membrane Area	cm ²	8	64	207	950	1050
Membrane Size	cm	6x4	11 x 11	12,5 x 26	30 x 50	30 x 50
Spacer Type	mm	0,45	0,45	0,35/0,45	0,35/0,45	0,35/0,45
Processing Length	cm	2,8	8	20	70	38
Nominal Flowthrough / Cell	l/h	0,5	8	8	10	30
Membranes per Unit	max pcs	25	60	100	200	200
Eff. Membrane Area / Unit	max m ²	0,02	0,38	2,0	20	20

<i>Stack Type</i>		<i>ED Q380</i>	<i>ED Q1600*</i>	<i>ED 4000 A*</i>	<i>ED 4000 H*</i>
<i>Characteristic</i>		<i>ED/EDBM</i>	<i>ED/EDBM</i>	<i>cont-ED</i>	<i>ED</i>
Effective Membrane Area	cm ²	380	1600	3600	4000
Membrane Size	cm	25 x 25	50 x 50	50 x 100	50 x 100
Spacer Type	mm	0,45	0,45	0,45	0,45
Processing Length	cm	20	40	160	85
Nominal Flowthrough / Cell	l/h	10	25	25	50
Membranes per Unit	max pcs	60	240	400	400
Eff. Membrane Area / Unit	max m ²	2,28	38,4	144	160

<i>Spacer Type</i>		<i>0,35 mm</i>	<i>0,45 mm</i>	<i>0,5 mm</i>
<i>Characteristic</i>		<i>low process length</i>	<i>high chemical stability</i>	<i>low pressure drop</i>
thickness	µm	350	450	500
material	cm	Silicone / Polyester	Silicone / Polypropylene	Silicone / Polypropylene
mesh type		45°	45°	45°



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* New cell type exists as prototyp setup only.