

Electrodialysis Pilot Unit 5 - 20 m²

PCCell ED - P 05
PCCell ED - P 10
PCCell ED - P 20



PCCell ED - P 05

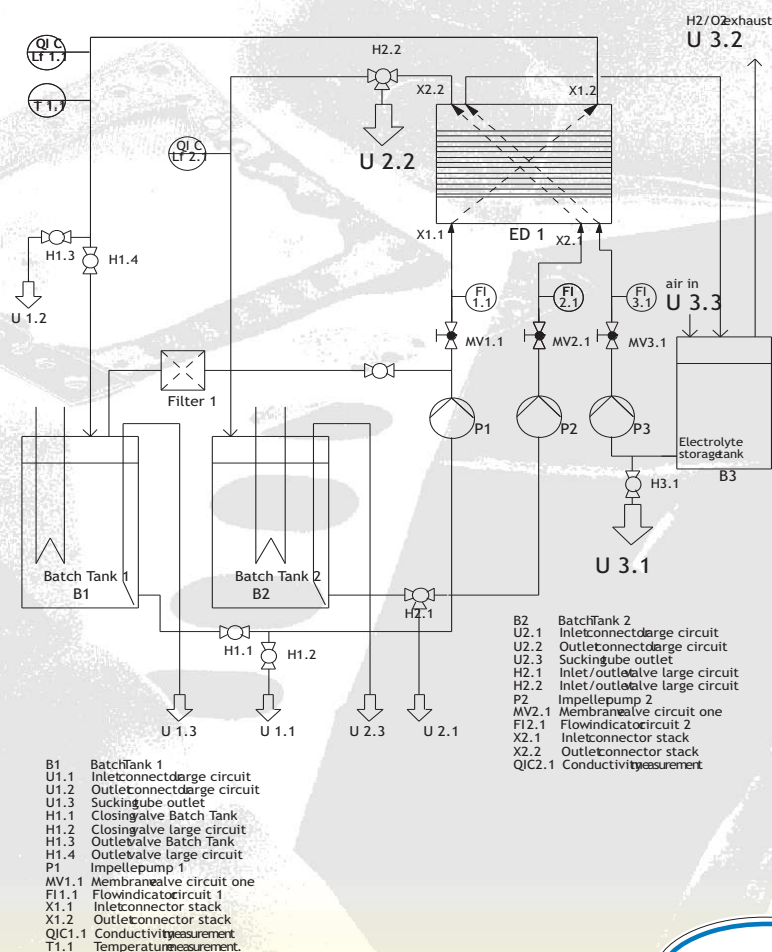
PCCell ED - P 10

PCCell ED - P 20

The electro dialysis pump units ED P 05, 10 and 20 are a standardized platform of pilot ED units to dirvean ED 1000 H unit in the batch mode. The instrumentation, optional EDR piping, optional thermostatisation, filter, stirrer and the level of automatisisation can be adjusted to the need of your project.

Sizes						
Type	Membrane area / m²*	Plant sizes			Desalination capacity (nominal)	
		WHD / cm	Weight**	Power connector	sea water desal ***	salt removal capacity
ED P5	5 m²	150x165x80	160 kg	400 V 50 Hz 16 A max	50 l / h	9,2 kg NaCl / h
ED P5 - EDR			168 kg		100 l / h	
ED P 10			180 kg			
ED P 10 - EDR	10 m²		192 kg			
ED P 20	20 m²	180x180x80	210 kg	400 V 50 Hz 32 A max	200 l / h	
ED P 20 - EDR			225 kg			

* for Stacks with active membrane area in m² ; **kg without stacks, *** seawater desalination capacity for 50.000 ppm to 600 ppm NaCl.



Plant Parameters			
Type of Unit	P 05	P 10	P 20
Mode of Operation	Batch with optional electro dialysis reversal (EDR)		
Connection of stacks	feed parallel, electrode rinse serial		
Number of stacks	1	1	1 / 2
Total membrane area	5 m²	10 m²	20 m²
Medium (feed solution)	prefiltered water 10 µm (particle free)		
Process conditions			
Temperature range	5 - 40 °C		
working pressure	up to 0.5 bar		
pH	0-9		
Conductivity	200 µS cm - 200 mS cm		



GmbH

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