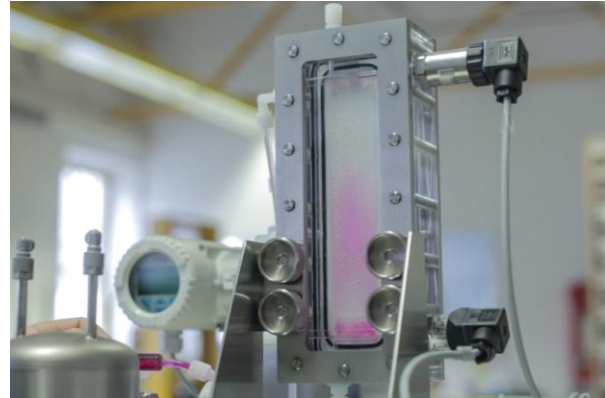
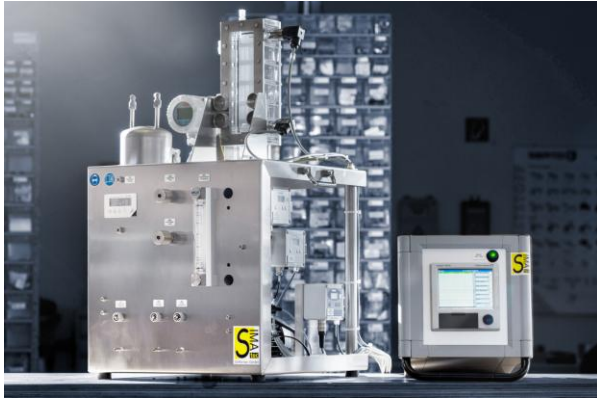


CUBE05-VA-Plexiglas®



DIMENSIONS

Size	40 x 40 x 55 cm (L x W x H)
Weight	approx. 25 kg
Material*** (wetted parts)	PEEK / FEP / Plexiglas® / FPM / EPDM and stainless steel (group 316)
IP protection class	IP 54

ELECTRICAL DATA

Connection for power supply	230V / 50 Hz / 16 A
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OTHER DATA

Storage tank	approx. 2.5 l
Cooling coil for storage tank or heat exchanging device*	Stainless steel
Test cell	Plexiglas® / 85 cm ² flat sheet membrane
Application range	MF/UF and NF/RO (low pressure range)
Temperature range	5 – 60 °C (max. 5 bar)
Pressure range	0 – 5 bar
Flow rate (feed)	Peripheral pump 0 – 60 l/h (max. 5 bar)

(The given technical data are maximum values and do not apply all at the same time!)

SENSORS	MEASURING RANGE	QUANTITY
Pressure	0 – 6 bar	(2 pieces)
Flow rate (feed) (rotameter)	50 – 750 ml/min	(1 piece)
Flow rate (permeate)* (rotameter)	1 – 10 ml/min	(1 piece)
Differenzial pressure measurement* (cell inlet and outlet)	0 – 1,6 bar	(1 piece)
Conductivity measurement (concentrate, permeate)*	1 μ S/cm – 2000 μ S/cm Temperature compensation included	(2 piece)
Temperature	0 – 100 °C	(1 piece)
pH-measurement concentrate*	pH-glas electrode	(1 piece)
SIMA-tec® measurement box incl. sensors*		(1 piece)

FIELD OF USE

Screening experiments on customer's site

Experiments with different membrane materials

Experiments to determine process parameters

Concentration of test solutions

Reprocessing of small amounts of resources

Experiments for membrane cleaning

Training and student experiments

* optional

Schematic of the Cube05-VA-Plexiglas®

