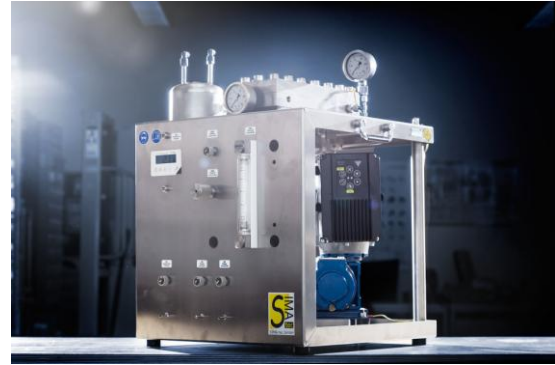
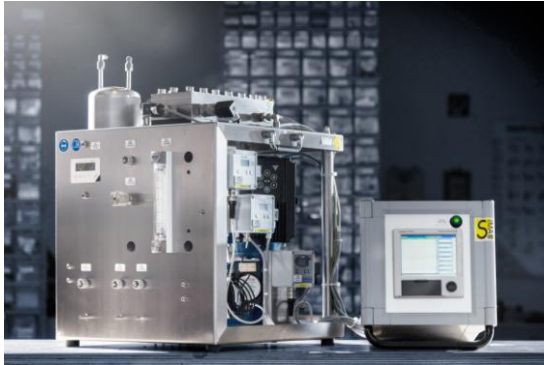


## CUBE 80-VA



### DIMENSIONS

Size	50 x 50 x 50 cm (L x W x H)
Weight	Approx. 55 kg
Material*** (wetted parts)	Stainless steel (V4a) / EPDM / FEP / PTFE / FPM (Viton®)*
IP protection class	IP 54

### ELECTRICAL DATA

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

Storage tank	Approx. 2.5 L / stainless steel	
Cooling coil for storage tank*	Stainless steel	
Test cell	Stainless steel / 85 cm <sup>2</sup> flat sheet membrane	
Application range	NF / RO (MF / UF)	
Temperature range	5 - 60 °C (max. 80 bar)	
Pressure range	1 - 80 bar**	
Flow rate (feed)	20 – 60 l/h (membrane pump with EPDM membrane and adjustable via FC)	
Dead volume	Approx. 100 ml	
Minimal system volume***	Approx. 220 ml	(pressure-less)
	Approx. 270 ml	(80 bar)

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

## SENSORS

Pressure	0 - 100 bar	(3 pieces)
Flow rate (feed) (rotameter)	50 - 750 ml/min	(1 piece)
Flow rate (permeate)* (rotameter)	1 - 10 ml/min	(1 piece)
Alternative measurement range permeate flow* (glass tube)	4 - 60 ml/min	(1 piece)
Temperature	0 - 100 °C	(1 piece)

## APPLICATIONS

Screening experiments on customer's site

Experiments with different membrane materials

Concentration of test solutions

Training purposes or practical course

Experiments for membrane cleaning

\* optional

\*\* at a flow rate of 30l/h

\*\*\* minimal volume the machine can still be operated with

## Schematic of the Cube 80-VA

