

PSta15-2 (hand-controlled)



DIMENSIONS

Dimensions	1200 x 1000 x 180 mm (L x B x H)
Weight	approx. 200 kg
Material (wetted parts)	PVDF / EPDM / PVC / FPM / FKM and stainless steel (group V4A)
IP protection class	IP 54

ELEKTRICAL DATA

Connection for power supply	400V / 50 Hz / 3-phase / 16 A CEE
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DATA

Storage, cycle and rinsing tank	approx. 100 L (PVC)
2 serially connected stainless steel pressure tubes for	Spiral-wound module 2540
Field of use	NF/RO (low pressure range)
Temperature range	up to 50 °C at 4 bar < 25 °C at 16 bar
Pressure range	1 - 16 bar
Flow rate (feed)	2200 l/h at 10 bar 1000 l/h at 16 bar
Feed & Bleed	<u>discharge</u> : via adjustable valve with rotameter

storage refill: via level sensor and switchable socket

(The specified technical data are maximum values. They do not coincide all at the same time!)

SENSORS	MEASURING RANGE	QUANTITY
Pressure	0 - 16 bar	(3 pieces)
Volume flow (feed) (rotameter)	150 – 1500 l/h	(1 piece)
Volume flow (permeate) (rotameter)	8 – 80 l/h	(2 piece)
Volume flow (permeate) (rotameter)	50 – 500 l/h	(2 piece)
Volume flow (Feed & Bleed) (rotameter)	5 – 50 l/h	(1 piece)
Level control (in storage, cycle and rinsing tank)	Guided microwave	(1 piece)
Temperature (PT 100)	0 - 100 °C Temperature compensation included	(1 piece)

FILED OF USE

Comparison of different membrane materials and geometries in technical applications

Experiments for optimization of process parameters in industrial applications

Long term tests for inspection of the long behavior of membranes

Concentration experiments

Cleanability experiments of membranes

Processing of small amounts of raw materials

Diafiltration

Feed&Bleed experiments

Schematic view of PSta15-2 hand-controlled

