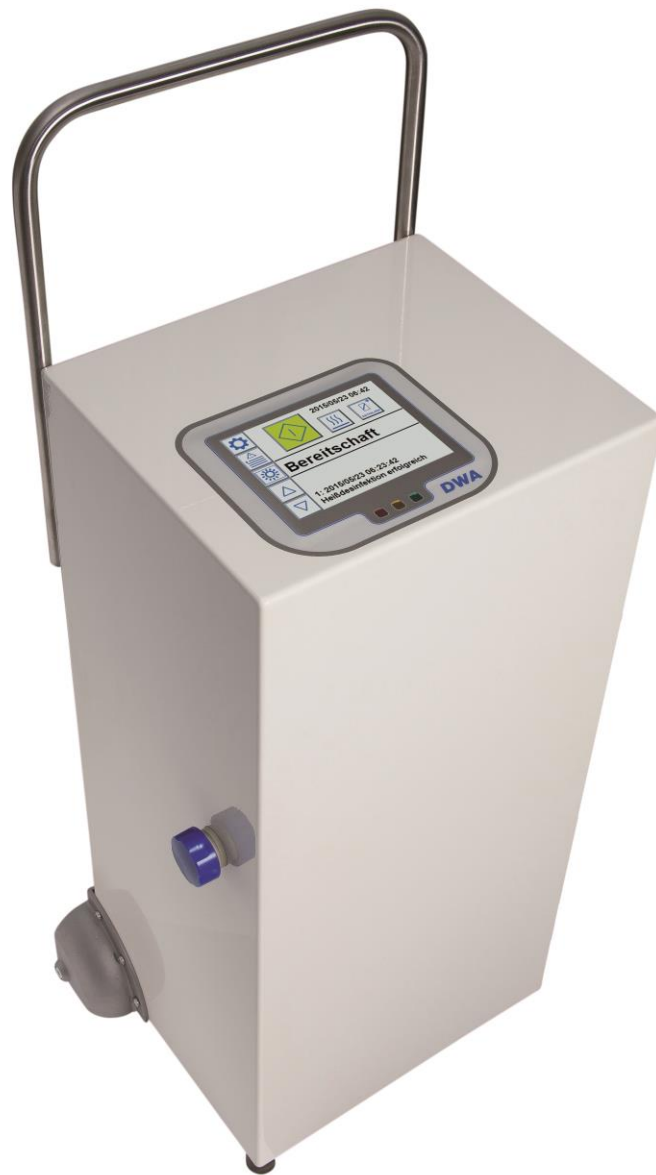


# [ HemoRO 4 ONE ]

## Technical Datasheet



	Designation	ECO	MAX	
Dimensions	Measurements (W x H x D)	315 x 875 x 300 mm		
Weight	Dry weight	35 kg		
	Operating weight	< 45 kg		
Dialysis Water Capacity <sup>1)</sup>	Peak Flowrate	> 70 l/h	> 70 l/h	
	Continuous Consumption	Hard Water Supply: 50 l/h Soft Water Supply: 70 l/h	70 l/h	
Performance	Dialysis water pressure	3 bar / 0.3 MPa		
	Retention rate	99 % NaCl		
	Noise level	< 50 dB(A)		
Water connections	Feed water	Hose stem D8		
	Dialysis water	Nipple type 103 DN6		
	Waste water	Hose stem D8		
Electrical data	Mains voltage (Plug Type)	230 V AC 50 Hz (CEE 7/7) <sup>2)</sup> or 230 V AC 60 Hz (CEE 7/7) or 115 V AC 60 Hz (NEMA 5-15P)		
	Protective conductor cross-section area	230 V: 1.5 mm <sup>2</sup> 115 V: 18 AWG		
	Building main fuses	230 V: 16 A, RCD I <sub>ΔN</sub> = 30 mA 115 V: B-15A acc. to UL489, RCD 30 mA type A or B		
	Power consumption	230 V: 1.5 kW 115 V: 1.2 kW		
	Protection class	I		
	Protection type	IP21		
	Feed water (see possible combinations)	Quality	Drinking water <sup>3)</sup>	
		Inflow	200 l/h	250 l/h
		Feed water pressure	> 1.5 bar / 0.15 MPa < 8.0 bar / 0.8 MPa	> 2.5 bar / 0.25 MPa < 8.0 bar / 0.8 MPa
		Hardness	< 15 °dH / 2.67 mmol/l	
Blocking index/SDI		< 3		
Conductivity		100 to 2,000 μS/cm		
Iron		< 0.05 mg/l		
Free chlorine		< 0.1 mg/l		
Temperature range		5 to 30 °C		
pH		6.5 to 8.5		
Waste water	Free drainage	max. 50 cm above device top edge		
Environmental conditions	Transport / storage temperature	1 to 45 °C		
	Operating temperature	5 to 35 °C		
	Relative air humidity	max. 90 %		
	Installation altitude	< 2,000 m above NHN <sup>*)</sup>		

<sup>1)</sup> at 10 °C and 2.5 bar counter-pressure

<sup>2)</sup> a switchable permanent connection must be provided in home dialysis environments

<sup>3)</sup> using permeate as feed water is forbidden

<sup>\*)</sup> NHN: German reference "Normalhöhenull" (normal height zero)

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## Possible combinations

	<b>Inflow</b>	<b>Feed water pressure</b>	
<b>HemoRO 4 ONE ECO</b>	> 200 l/h	> 1,5 bar (dyn.)	< 8,0 bar (stat.)
- with pre-filter	> 200 l/h	> 2,5 bar (dyn.)	< 8,0 bar (stat.)
- with pre-filter system	> 200 l/h	> 4,5 bar (dyn.)	< 8,0 bar (stat.)
- with softener	> 300 l/h	> 2,0 bar (dyn.)	< 8,0 bar (stat.)
- with pre-filter system and softener	> 300 l/h	> 4,5 bar (dyn.)	< 8,0 bar (stat.)

	<b>Inflow</b>	<b>Feed water pressure</b>	
<b>HemoRO 4 ONE MAX</b>	> 250 l/h	> 2,5 bar (dyn.)	< 8,0 bar (stat.)
- with pre-filter	> 250 l/h	> 3,5 bar (dyn.)	< 8,0 bar (stat.)
- with pre-filter system	> 250 l/h	> 5,5 bar (dyn.)	< 8,0 bar (stat.)
- with softener	> 350 l/h	> 3,5 bar (dyn.)	< 8,0 bar (stat.)
- with pre-filter system and softener	> 350 l/h	> 6,0 bar (dyn.)	< 8,0 bar (stat.)

Conformity declared with directive 93/42/EEC concerning medical devices.  
We reserve the right to make technical changes.

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