

Economical and reliable reverse osmosis system



Benefits:

- All mounted on a stainless steel skid
- High performance per membrane
- Can have a conductivity meter fitted
- The combination with a mixed-bed system can provide an even lower conductivity (< 0.5 µS/cm)
- Installation kit for quick and easy connection
- Simple operation
- Easy to maintain

Reliable and maintenance-friendly

A reverse osmosis system is the perfect solution for large autoclaves, steam generators, dishwashers, laundries and car washes, where a low conductivity (< 20 µS/cm) is required and where space is limited.

A water softening system should be used as a pre-treatment.

The design is compact, maintenance-friendly and allows for easy installation in sparse spaces.

The system is developed with focus on simple and stable operation with easy to understand controls. The control ensures automatic disconnection if there is not enough water supply and it ensures high quality and the protection of subsequent installations.

The system series is an economical and simple solution that ensures a stable supply of water with low conductivity.

Membranes and pumps are the latest technology and specially selected to provide water of the highest possible quality combined with low operating costs and low noise.

Features:

- Simple reverse osmosis system
- The system's size makes it easy to position when space is limited
- Built-in control - no additional electronics required
- Direct reading of permeate flow during operation
- Manometer for reading the pressure
- The system will automatically stop if there is no supply pressure
- Alarm output
- Remote start and remote stop

The flexible design allows for expansion with:

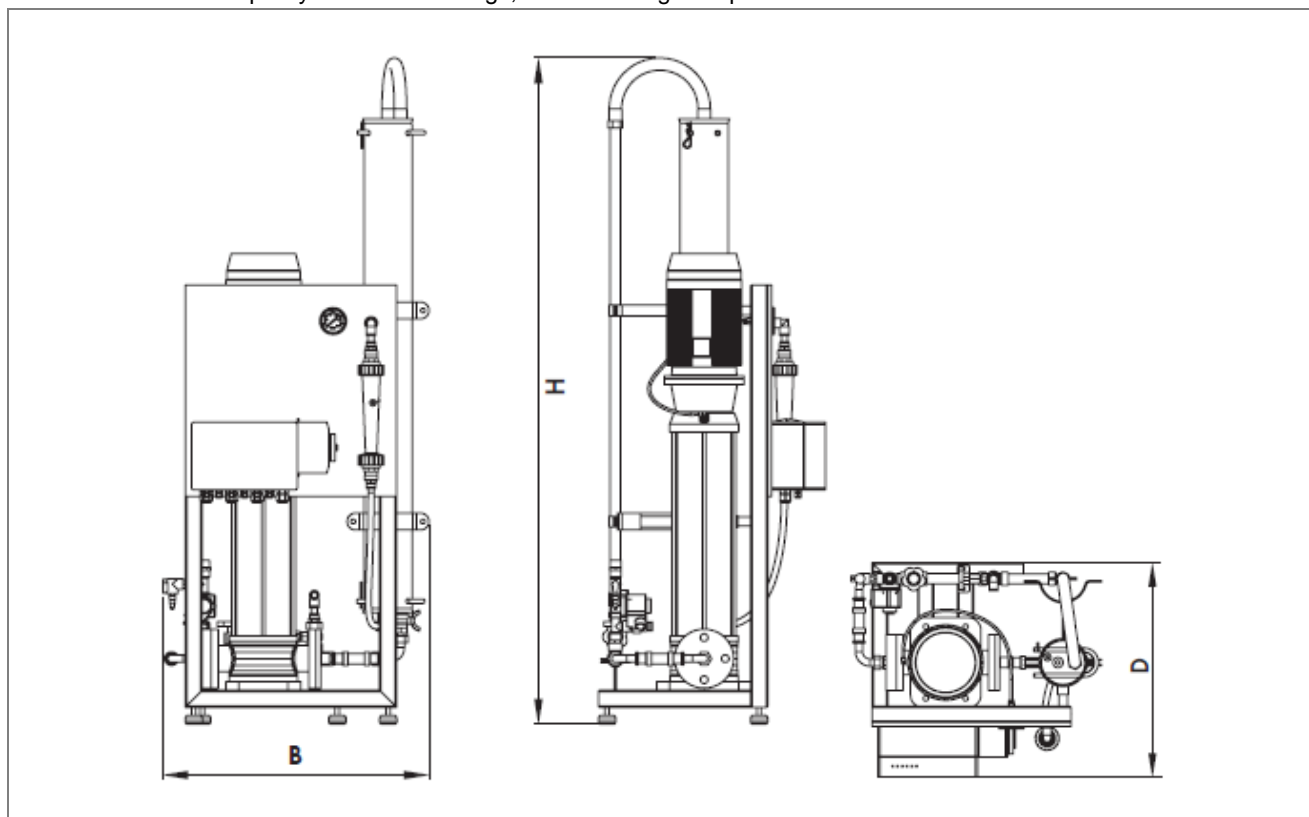
- Conductivity meter with alarm function – giving the system the best possible protection
- Integrated mixing valve for adjusting the conductivity - the possibility to supply water quality according to special needs
- Installation kit - quick and simple connection
- Reservoir (BWT Aquaflex tank)
- Softening system

Technical data:

BWT PERMAQ [®] Pro 1800	Unit	1810	1820
Nominal permeate performance *	l/h	500	1000
Salt reduction	%	>98	
Water utilisation WCF (max) **	%	75	
Inlet pressure (min/max)	bar	3/7	
Electrical connection	V / Hz	3 x 400 / 50	
Fuse	A	16	
Pump motor size	kW	2.2	
Protection class	IP	54	
Raw water temperature	°C	5 – 25	
Ambient temperature	°C	5 – 35	
Inlet	"	¾	
Outlet	mm	14	
Drain	mm	14	
Width	mm	580	
Depth	mm	620	
Height	mm	1620	
Weight dry, approx.	kg	92	102
Product number		421071815	421071825

* For water quality of: 10 °C, 3 bar, TDS ≤ 500 mg/l ± 15%, SDI ≤ 3.0, oxidants ≤ 0.05 mg/l.

** Based on a water quality of TDS ≤ 500 mg/l, with softening as a pre-treatment.



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