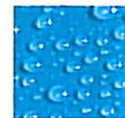




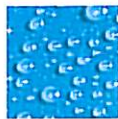
# Werner RO 10-40



**Ready-to-connect  
compact reverse-  
osmosis unit with  
four output stages  
of 50-1000 l/day.**

■ This newly designed, modular compact unit provides an economical alternative to cartridge technology for pure-water requirements starting as low as 50 l/day.

The design and control technology of the Werner RO 10-40 set a new standard for compact reverse-osmosis systems.

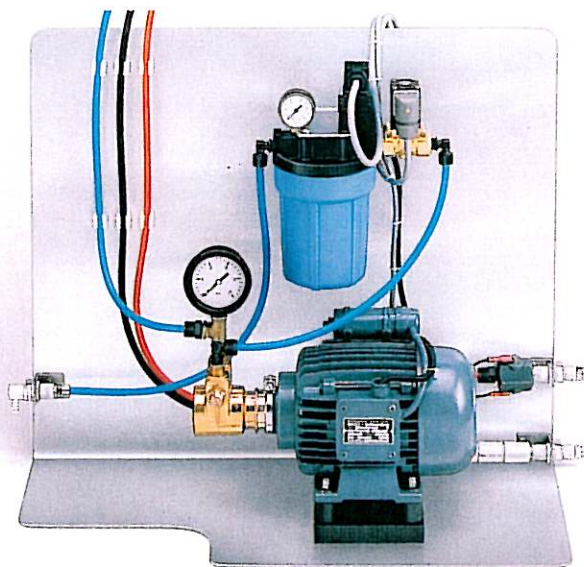


## The new concept

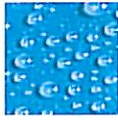
Quality, performance and increased reliability are the principle objectives. High-grade materials and components ensure trouble-free operation and the highest possible purity of water.

Some of the outstanding features and efficient performance characteristics are exemplified by:

- Integrated pre-filter
- Continuous pressure monitoring via micro-processor control
- Pressure vessels made of stainless steel for holding one polyamide-polysulphone spiral wound membrane each.
- Quick-closing valves for all water connections, single-handed operation



This system requires 30% less components than existing systems with similar capacities. A decisive advantage for the reliability and ease-of-maintenance of the RO 10-40.



## Werner control technology



### Attractive design

The new Werner RO makes a "good impression" in any environment. Whether in the laboratory or a production area, this compact system contributes positively to a friendly work environment. Visual aspects were just one major consideration during development; the design also takes a number of practical aspects into account, for example:

- Optional substructure serving as a compact pure-water tank with an integrated feed pump.
- Configuration as a bench or wall-mounted unit
- Maintenance-friendly by virtue of the large service hood with a self-engaging prop
- Can be adjusted to fit requirement at any stage (up to 40 l/h).



A future-oriented control unit for water treatment systems has to meet certain important criteria:

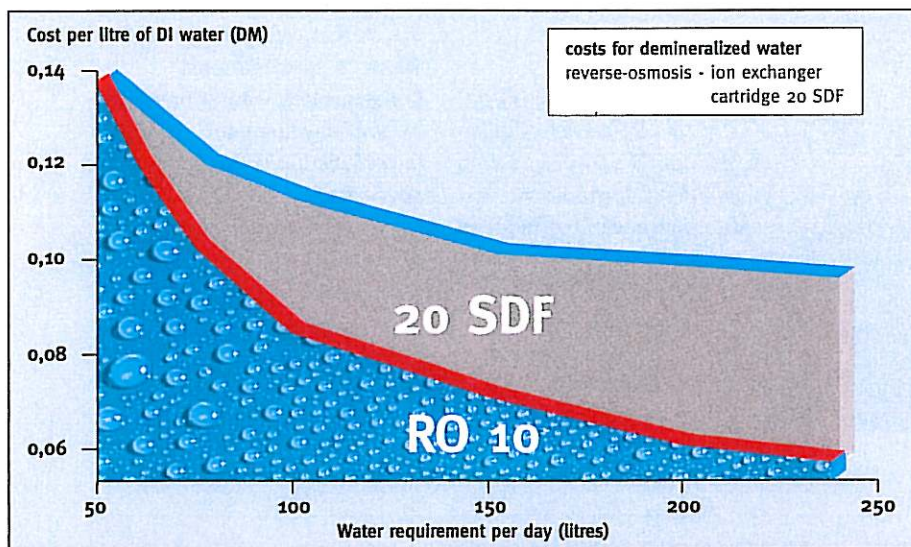
- Special software
- A design which can be adapted to changes in operational requirements
- Two integrated conductivity meters for continuous monitoring of the
  - Product water (0-199  $\mu\text{S}/\text{cm}$ )
  - Optional post-demineralisation cartridge (0-19.9  $\mu\text{S}/\text{cm}$ ) with set-point adjustable in accordance with the required application

- Automatic flush system
- Standard control electronics for the feed pump connected down-stream
- User-friendliness
- OEM suitability

No control unit available on the market was able to meet Werner's specifications. Consequently, Werner presents its own development - designed in conjunction with software specialists.



Technical specifications	RO 10	RO 20	RO 30	RO 40
Product flow rate (l/h at 10° c)	10	20	30	40
Feed flow rate (l/h)	40	80	100	120
Feed water requirement	Drinking water, without pre-treatment			
Water connections				
Feed water	Any tap (3/8" hose)			
Product water	8 mm hose			
Waste water (reject)	8 mm hose			
Electrical specifications				
Voltage	230 - 240V, 50 Hz			
Power consumption	180 W			
Dimensions W x H x D (mm)	600 x 500 x 295			
Weight (kg)	30	30	32	32
Cat. No.	RO10200	RO20200	RO30200	RO40200
<b>Optional features</b>				
Substructure with integrated pure-water tank and feed pump	80 l capacity Delivery rate 2 m³/h, 45 mWs			
Pure-water tank with complete emptying	Capacity 300, 500, 1.000 und 1.500 l			
Accessories	Ventilation filter 0,01 µm CO <sub>2</sub> - adsorption Safety overflow UV-lamp			
Post-desalination cartridges	Request AQUADEM® documents			
Booster pump speed-controlled	Horizontal stainless steel/plastic rotary pump with an integrated speed-control unit for consumption-dependent maintenance of a freely programmable supply pressure, delivery rate 2m³/h			
Feed water requirements	Temperature	5 - 35°C		
	Pressure	1,5 - 8 bar		
	Free chlorine	0,1 ppm		
	Iron	0,1 ppm		
	Silt index (S.D.I.)	≤ 5		



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**werner**