

**ULTRAPURE  
WATER.  
ECONOMICAL.  
DEAD ZONE FREE.**

OUR RO UNIT  
HP5500D 500-4500  
P/H SERIES.

✓ As a nephrologist, do you want to make sure that your patients are treated with ultra-pure water to achieve the best dialysis experience?

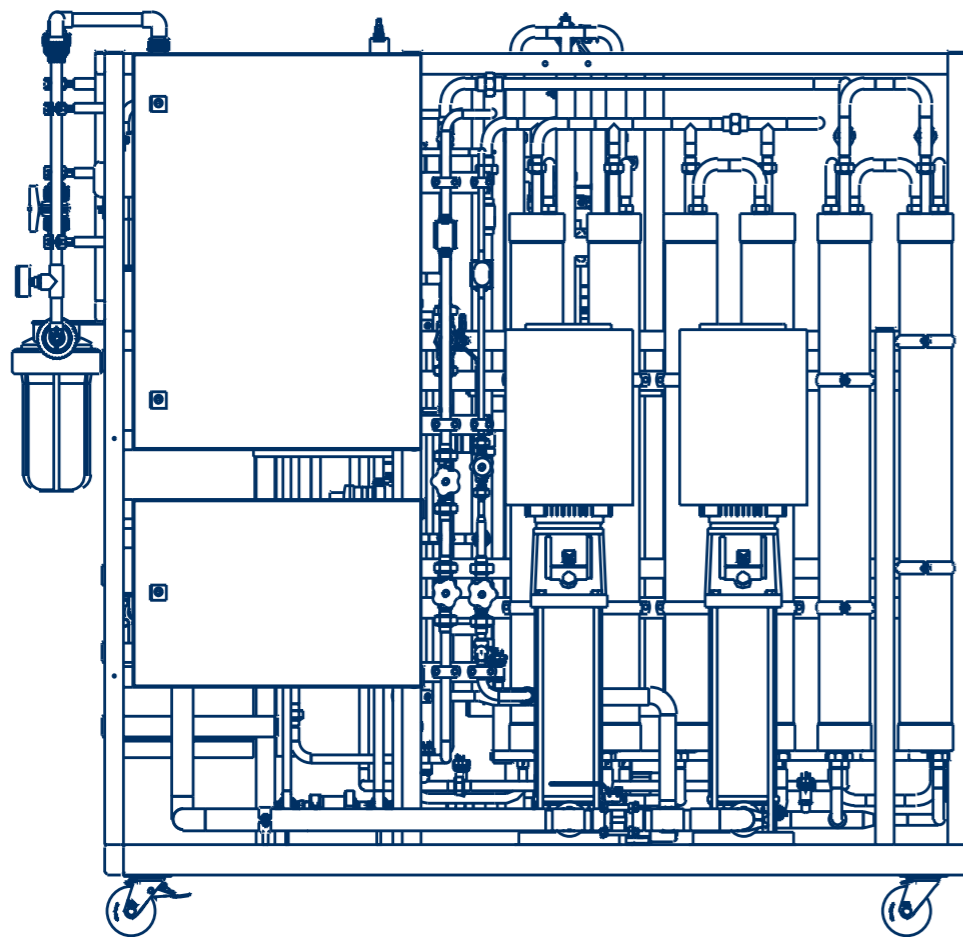
✓ As a hospital purchasing agent, do you want to save approx. € 300.000 in 10 years by choosing a reverse osmosis with advanced water-saving technology?

✓ As the managing director of a hospital, do you want to opt for certified equipment with the highest operational reliability?

✓ As a nurse, do you want less hassle with easy-to-operate equipment, that can be heat-sanitised automatically?

✓ As a technician, do you want to ensure high availability with easy and safe remote support from anywhere in the world?

OUR HEAT-DISINFECTABLE,  
TWIN-PASS REVERSE OSMOSIS  
SERIES HP5500D P/H  
CAN HELP YOU.



€

**Economical**  
TRIPLE  
WATER-SAVING  
STRATEGY

Water consumption of the RO is reduced with three design strategies: recirculating permeate from the loop, adjusting concentrate flow in the 1st stage according to the current permeate consumption and recirculating concentrate from the 2nd stage to the break tank.

90°C

**Dead Zone Free**  
DISINFECTION  
AT THE PUSH  
OF A BUTTON

The complete reverse osmosis unit including the RO modules can be heat disinfected at a temperature of up to 90°C. As an option, the downstream permeate ring main with the double-hose connections (free from dead zones) to the dialysis machines can be heat disinfected in the same step.

“THE RELIABLE WATER  
TREATMENT FOR DIALYSIS”

THE TWIN-PASS RO REDUCES OPERATING COST DRASTICALLY DUE TO TRIPLE WATER SAVING STRATEGY AND HIGH ENERGY EFFICIENCY.

WATER AND WASTE WATER COSTS AFTER 10 YEARS:



**532.000 €**

HP5500D P/H UNIT  
85% yield in total



**808.000 €**

IN COMPARISON: STANDARD UNIT  
75% yield per pass

INNOVATIVE DESIGN AND HIGH PRODUCTION STANDARDS FOR A LONG SERVICE LIFE AND EXCELLENT PURE WATER QUALITY.

LONG SERVICE LIFE:

Durable stainless steel piping and robust stainless steel base frame

Leakage detection system and temperature / overpressure alarms

EXCELLENT PURE WATER QUALITY:

Redundant twin-pass reverse osmosis

Dead-zone free design

Heat disinfection, no chemicals needed

OPERATIONAL SAFETY DUE TO MONITORING:

Recording and display of all operating data

Support and maintenance by Herco service team possible

Permeate production 4,5 m<sup>3</sup>/h  
(for 90 dialysis beds) with 30 % recirculation  
Feed water with TDS = 700 mg/l and T = 15 °C  
Operation 18 h/d and 6 d/w  
Water and wastewater cost 2 €/m<sup>3</sup> each



### **Local manufacturing**

All our units are manufactured by hand on site in Freiberg am Neckar in Germany. We will gladly answer your questions!

### **Quality for a fair price**

All our units are certified according to DIN ISO 9001, EN ISO 13485 and EC certificate. Our medical devices are certified according to MDD (Medical Device Directive 93/42/EEC).

### **More than 30 years of experience**

We have built water treatment plants for dialysis applications for more than 30 years and understand your requirements. Contact us to find out more!

### **Competent service and support**

We offer reliable service long after your purchase. As trustworthy partner, we are always there for you!



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