

# HYDROS Water Treatment System



## Total demineralization

### Ideal for use in combination with the HYDRIM washer-disinfectors

An inferior water quality, caused by substances e.g. calcium carbonate in the water, can lead to problems such as discoloration and limescale.

By demineralizing water, the HYDROS water treatment system increases not only the cleaning results, but also the life span of instruments and the unit. Demineralized (RO-water) is also recommended by the RKI guideline from 2012 (Hygiene Requirements for the Reprocessing of Medical Devices) for the final rinse of the washer-disinfector.

### Your advantages:

- › Shining, stainless instruments
- › Limescale deposits in the machine are prevented – life span of machine will be increased,
- › Simple handling – easy exchange of the filter cartridge
- › Particularly suited to hot water applications (up to 60°C), e.g. for washer-disinfector units with hot water connection
- › Space-saving installation – horizontal and vertical – possible

## How It Works:

### 1. Pre-filtration

A filter fleece retains coarse particles and, with its water distribution system, ensures a high utilization of the downstream filter medium.

### 2. Carbonate hardness reduction

The level of carbonate hardness is reduced in order to prevent unwanted limescale formation.

### 3. Permanent hardness reduction

This stage eliminates permanent hardness and the non-hardness causing materials (cations).

### 4. Anion reduction

This filter medium removes the remaining ions (anions).

### 5. Fine filtration

At the end of the filtration process, another fleece retains fine particles.

## Technical Specifications

HYDROS Water Treatment System	
Capacity at a carbonate hardness of 10° dH *	5000 l
Operating pressure	6 bar
Water intake temperature	4 – 60°C
Flow at 1 bar pressure loss	850 l/h
Nominal flow	300l/h
Pressure loss at nominal flow	0.45 bar
Dimensions (width/depth/height)	288/255/550 mm
Weight (dry/wet)	18 / 24 kg
Connections (input/output)	G1" / G3/4"

\* The stated capacity is a guide value only, that may vary by +/- 20% depending on local water quality and machine type.

Item	Order No.
HYDROS complete system set with filter cartridge, hose set and flow meter	<b>01-114489</b>
Replacement filter cartridge	<b>01-114450</b>

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