



ECOPERLA

ECOPERLA HERO

WATER SOFTENER WITH ACTIVATED CARBON

DESCRIPTION

The EcoPerla Hero water softener with activated carbon reduces hardness of utility and drinking water in households. The water softener uses an ion exchange resin to remove calcium (Ca^{2+}) and magnesium (Mg^{2+}) ions responsible for hardness. The regeneration process takes place using salt (sodium chloride NaCl), available in the form of a tablet. The adsorptive properties of activated carbon remove organic substances, pesticides, chlorine and its derivatives, as well as certain heavy metals from water. This significantly improves the organoleptic properties of the water, such as its taste, smell and colour.

CHARACTERISTICS

- Fully automatic, electronic control of the regeneration process with the use of a high-quality automatic Clack control valve
- Simple hydraulic connection
- Better water organoleptic properties
- Carbon impregnated with silver, which has the bacteriostatic properties
- Low salt consumption
- Built-in mixer allows for adjustment of output water hardness

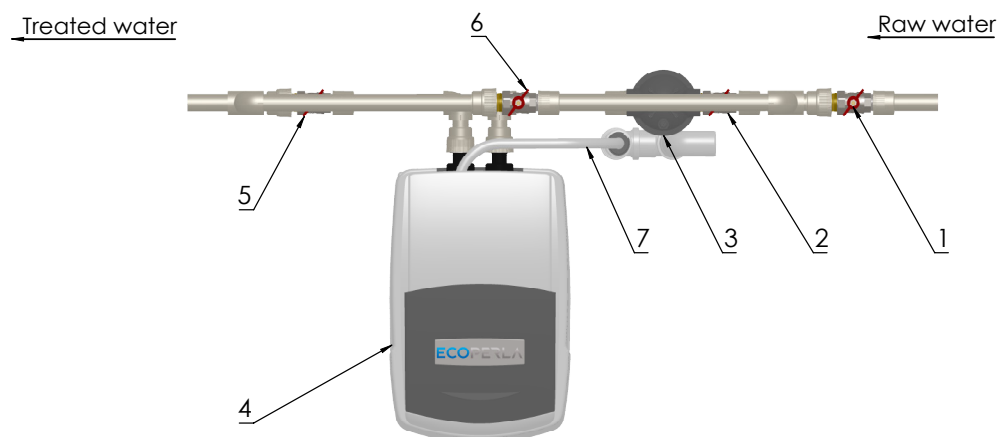
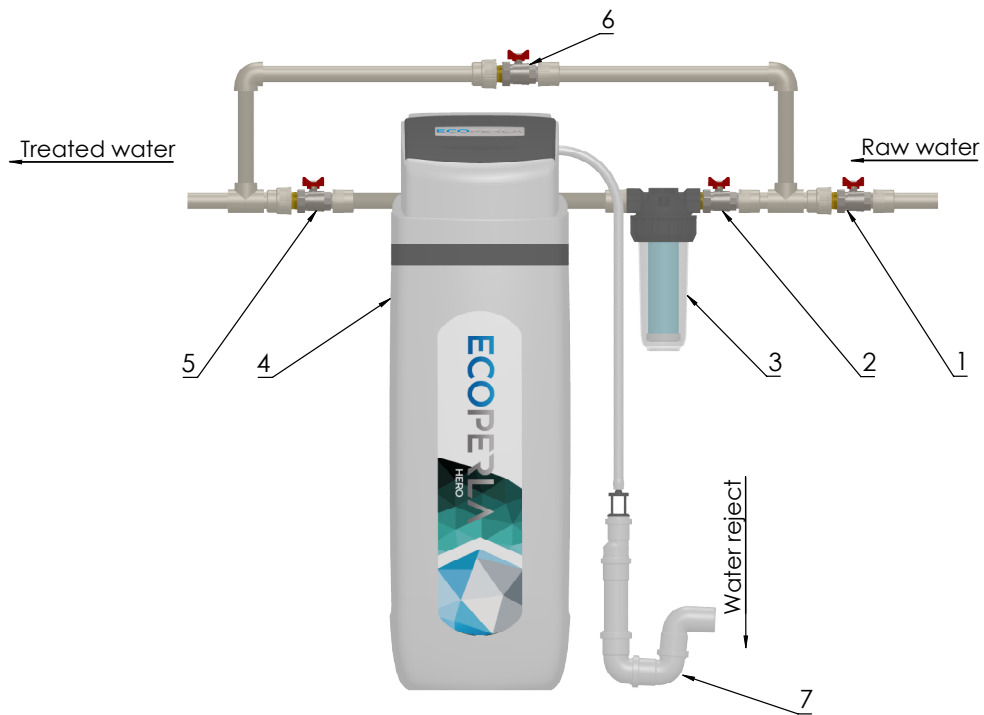


TECHNICAL SPECIFICATIONS

| | |
|--|-----------------------|
| Softening medium amount | 30 l |
| Activated carbon amount | 10 l |
| Height | 114.5 cm |
| Width | 32 cm |
| Depth | 51 cm |
| Salt consumption per regeneration | 3,5 kg |
| Water consumption per regeneration | 140 l |
| Nominal flow rate | 1,8 m ³ /h |
| Maximum flow rate | 3,6 m ³ /h |
| Connection | 1" |
| Temperature (min/max) | 4/45 °C |
| Pressure (min/max) | 2,5/6 bar |
| Required water flow during the rinsing process [m ³ /h] | 2,5 bar |



ECOPERLA HERO CONNECTION DIAGRAM



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|----|---------------------------------|
| 1. | Main water shut-off valve |
| 2. | Inlet valve to Ecoperla Hero |
| 3. | Mechanical water filter |
| 4. | Ecoperla Hero |
| 5. | Outlet valve from Ecoperla Hero |
| 6. | Bypass valve |
| 7. | Drain to the sewage system |

NOTES

- Since brine is dosed by a precise injector, a mechanical pre-filter should be used to protect the control valve from suspended solids.
- Automatic regeneration with salt solution.