ECOPERLA SOFTOWER
WATER SOFTENER

DESCRIPTION

The Ecoperla Softower bi-block water softener reduces hardness of utility and drinking water. During the filtration process, water flows through a highly acidic monosphere medium. The water softener uses an ion exchange resin to remove calcium (Ca2+) and magnesium (Mg2+) ions responsible for hardness. The regeneration process takes place using salt (sodium chloride NaCl), available in a tablet form.

CHARACTERISTICS

- Fully automatic, electronic control of the filter regeneration process with the use of a high-quality automatic Clack control valve
- Simple hydraulic connection
- High efficiency of water softening
- Low salt consumption
- Built-in flow meter allows for time, volume and mixed control of the regeneration process
- Built-in mixer allows for adjustment of output water hardness

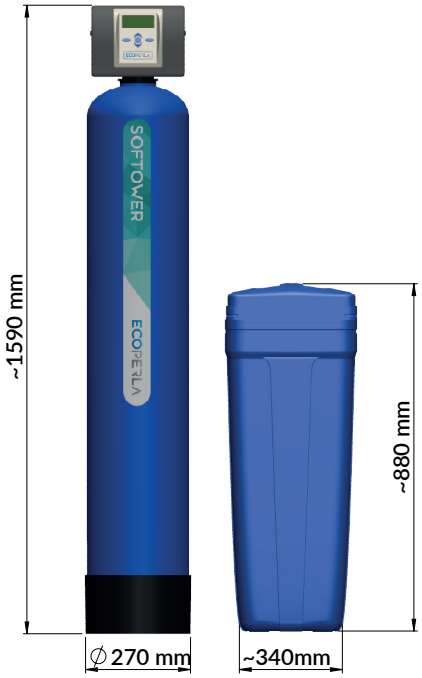
TECHNICAL SPECIFICATIONS

	S	M	L
Control valve	Clack Pallas UF	Clack Pallas UF	Clack Pallas UF
Connection	1”	1”	1”
Medium amount [L]	30	40	60
Medium	Monosphere ion exchange resin	Monosphere ion exchange resin	Monosphere ion exchange resin
Nominal flow rate [m3/h]	1,5	1,6	2,2
Maximum flow rate [m3/h]	3,0	3,2	4,4
Flow rate during rinsing process [m3/h]	0,6	0,6	0,75
Operating pressure [bar]	2,0-6,0	2,0-6,0	2,0-6,0
Salt consumption per regeneration [kg]	3,0	4,0	6,0
Water consumption per rinsing [L]	160	160	210
Cylinder dimensions [inch]	10 x 44	10 x 54	12 x 48
Column width [mm]	270	270	320
Column height [mm]	1330	1590	1430
Column depth [mm]	300	300	320
Brine tank volume [L]	70	70	70
Brine tank width [mm]	335	335	335
Brine tank height [mm]	880	880	880
Brine tank depth [mm]	335	335	335
Electrical connection [V/Hz]	230/50	230/50	230/50
Water amount between regenerations in case of hardness of 10 dH [m3]	7,6	10,1	15,2

DIMENSIONS

S

M



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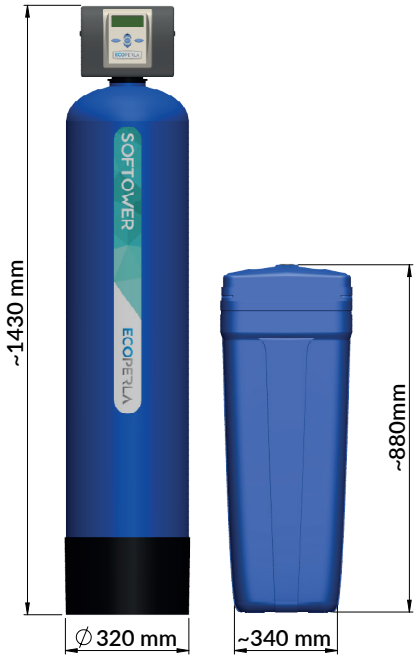
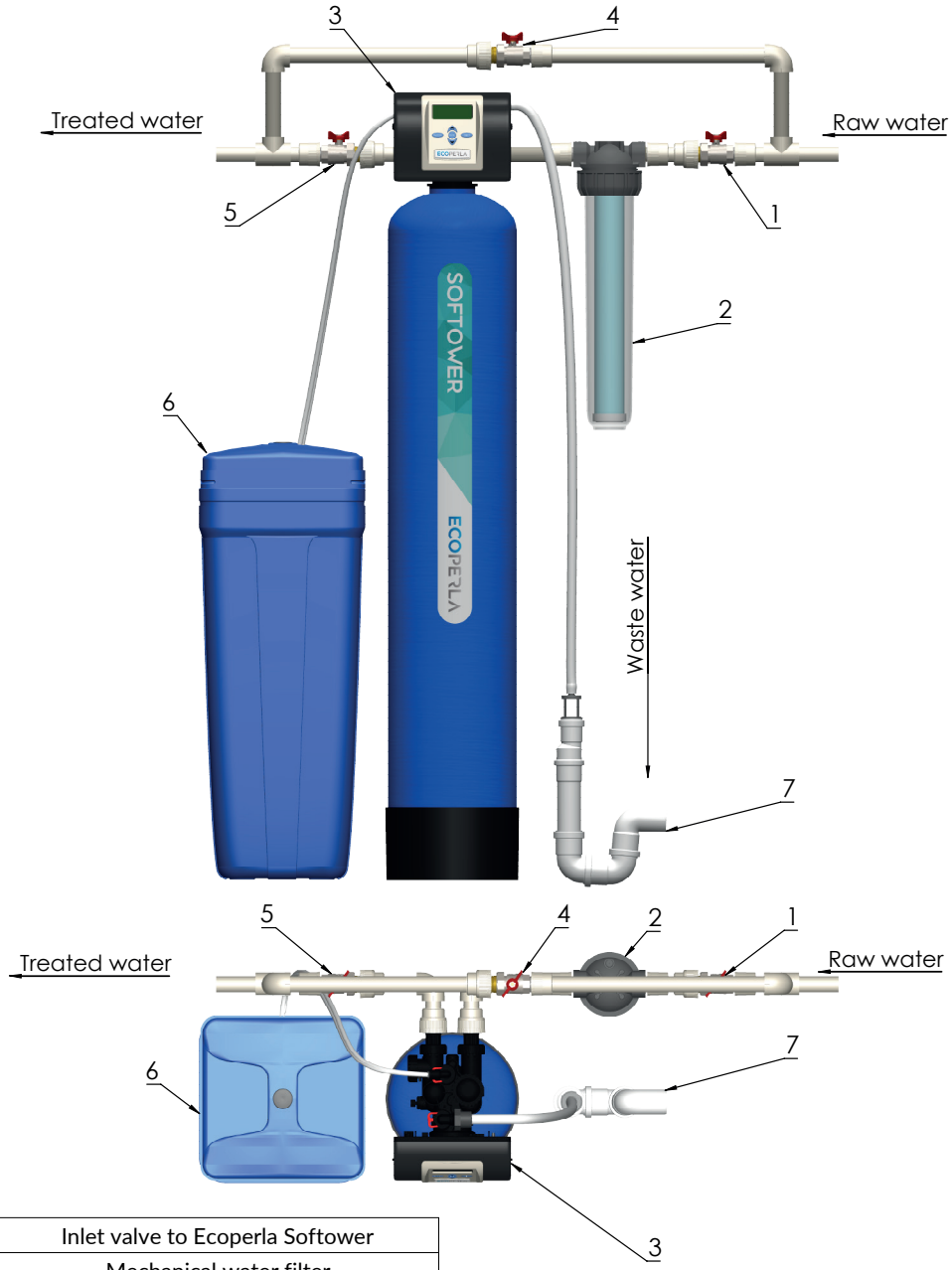


ECOPERLA SOFTOWER CONNECTION DIAGRAM



1.	Inlet valve to Ecoperla Softower
2.	Mechanical water filter
3.	Ecoperla Softower water softener
4.	Bypass valve
5.	Outlet valve from Ecoperla Softower
6.	Salt container
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.