



ECOPERLA

ECOPERLA MULTITOWER MULTIFUNCTIONAL SYSTEM

DESCRIPTION

The EcoPerla Multitower multifunctional system is used to filter utility water from own intake. The device is based on the principle of ion exchange. During this process, contaminants dissolved in water are exchanged for sodium ions. It uses a special proprietary blend of EcoPerla resins, which can remove high concentrations of iron, manganese and ammonium ions, as well as high water hardness and colour. The regeneration process takes place using salt (sodium chloride NaCl) available in a tablet form.

CHARACTERISTICS

- Fully automatic, electronic control of the regeneration process with the use of a high-quality automatic Clack control valve
- Simple hydraulic connection
- Effective removal of mechanical contaminants
- Low salt consumption
- Built-in flow meter allows for time, volume and mixed control of the regeneration process

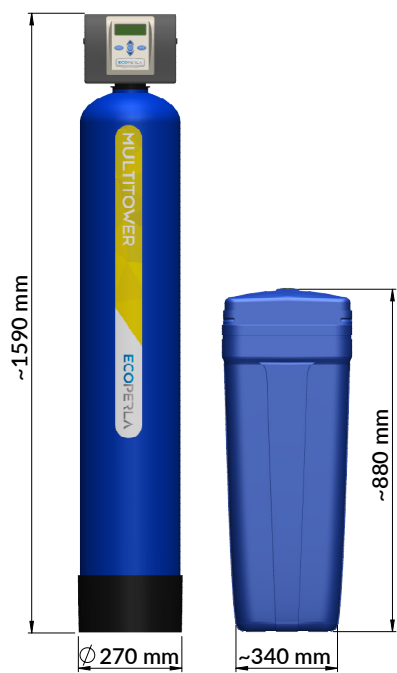


TECHNICAL SPECIFICATIONS

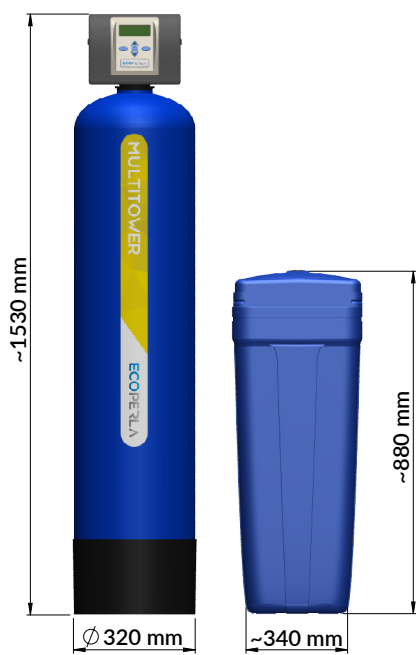
	S	M	L
Control valve	Clack Pallas DF	Clack Pallas DF	Clack Pallas DF
Connection	1"	1"	1"
Medium amount [L]	40	50	75
Medium	Selected mixture of ion exchange resins	Selected mixture of ion exchange resins	Selected mixture of ion exchange resins
Nominal flow rate [m3/h]	1,3	1,8	2,1
Maximum flow rate [m3/h]	1,5	2,2	2,6
Flow rate during rinsing process [m3/h]	0,75	0,95	1,2
Operating pressure [bar]	2,5-6,0	2,5-6,0	2,5-6,0
Salt consumption per regeneration [kg]	4,8	6,0	9,0
Water consumption per rinsing [L]	290	390	490
Cylinder dimensions	10 x 54	12 x 48	13 x 54
Column width [mm]	270	320	340
Column height [mm]	1590	1530	1590
Column depth [mm]	300	320	340
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/h]	7,9	9,8	14,7

DIMENSIONS

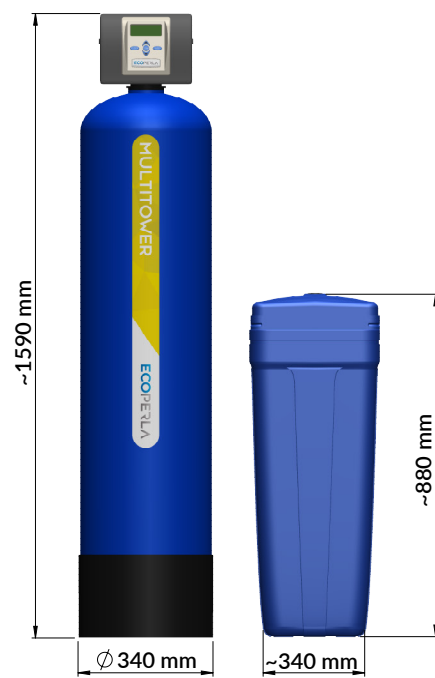
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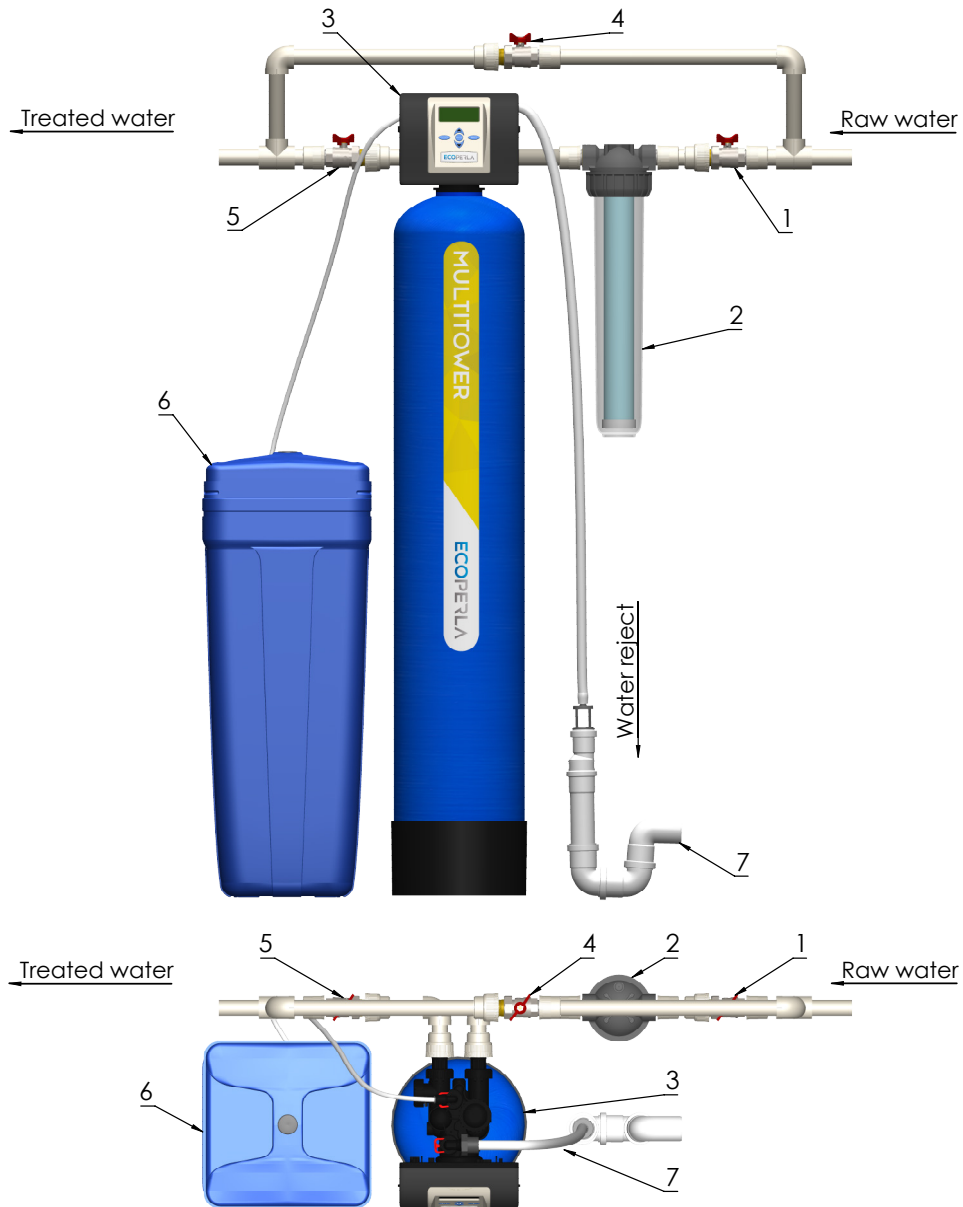
M



L



ECOPERLA MULTITOWER CONNECTION DIAGRAM



1.	Inlet valve to Ecoperla Multitower
2.	Mechanical water filter
3.	Ecoperla Multitower
4.	Bypass valve
5.	Outlet valve from Ecoperla Multitower
6.	Salt container
7.	Drain to the sewage system

NOTES

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