



ECOPERLA

ECOPERLA NITRATOWER NITRATE REMOVAL

DESCRIPTION

Ecoperla Nitratower removes nitrate from utility water in households. The device is based on the principle of ion exchange. During this process, dissolved substances are eliminated from water. The regeneration process takes place using salt (sodium chloride NaCl) available in the 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
- 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

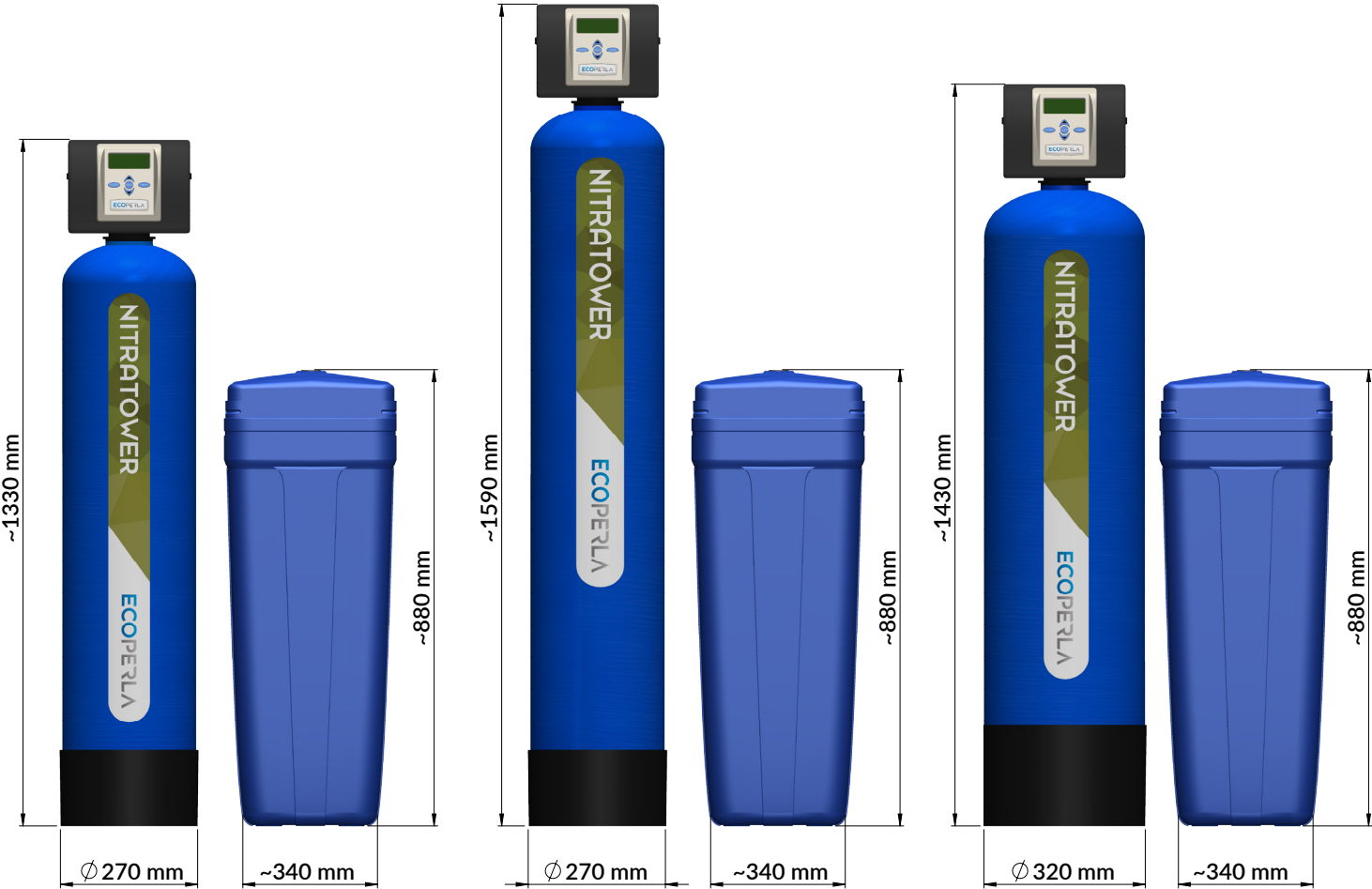
	S	M	L
Control valve	Clack Pallas DF	Clack Pallas DF	Clack Pallas DF
Connection	1"	1"	1"
Medium amount [L]	25	35	50
Nominal flow rate [m3/h]	0,8	0,9	1,1
Maximum flow rate [m3/h]	1,6	1,8	2,2
Required water flow during the rinsing process with the pressure of 2 bar [m3/h]	0,4	0,4	0,5
Salt consumption per regeneration [kg]	4,5	6,3	9,0
Water consumption per rinsing [L]	180	180	250
Dimensions of column cylinder [inch]	10 x 44	10 x 54	12x48
Column width [mm]	270	270	320
Column height [mm]	1330	1590	1430
Column depth [mm]	300	270	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 for nitrate and sulphate total 2.5 mval/l [m3]	2,5	3,5	5,0

DIMENSIONS

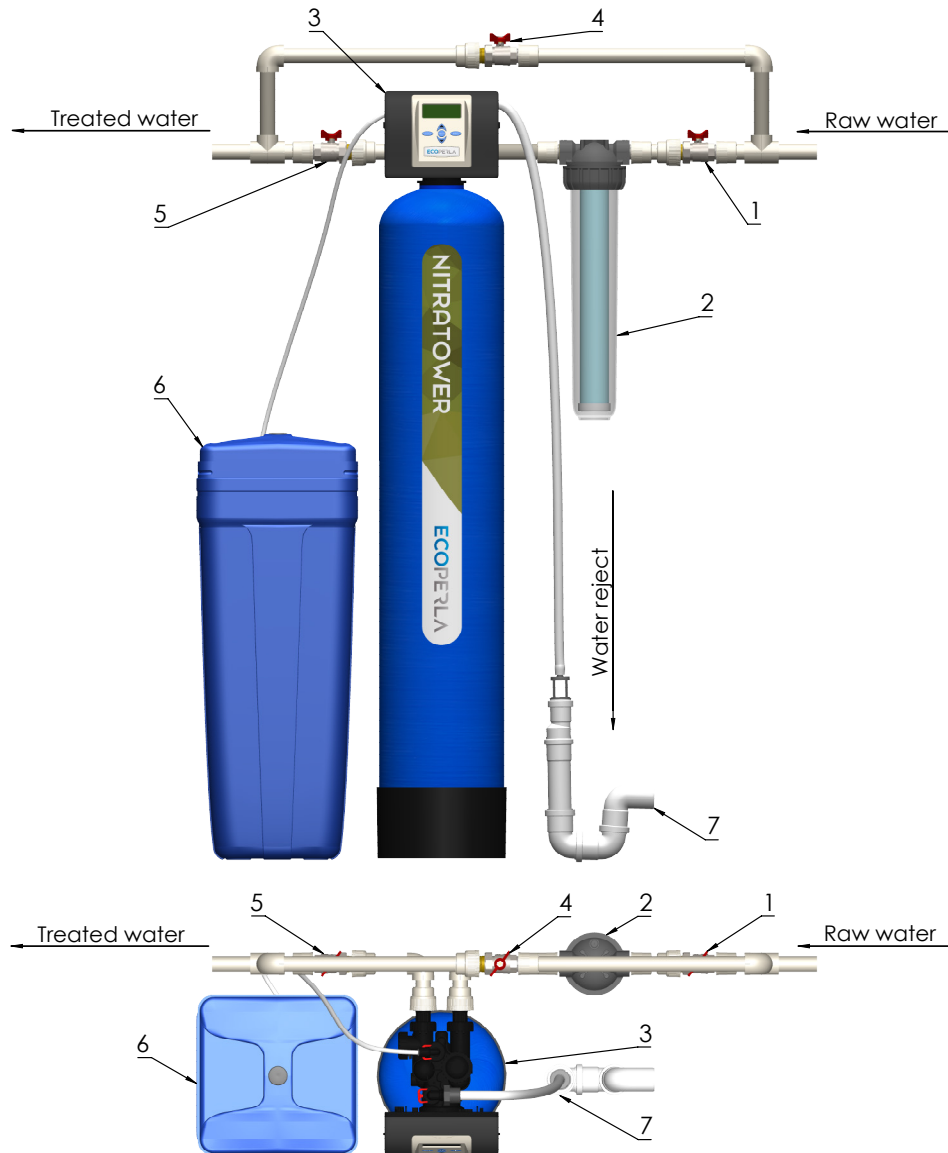
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ECOPERLA NITRATOWER CONNECTION DIAGRAM



1.	Inlet valve to Ecoperla Nitratower
2.	Mechanical water filter
3.	Ecoperla Nitratower
4.	Bypass valve
5.	Outlet valve from Ecoperla Nitratower
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.