



ECOPERLA

ECOPERLA IRONITOWER IRON REMOVAL FILTER

DESCRIPTION

The EcoPerla Ironitower iron removal filter removes high iron concentrations from utility water in households. The natural filtering medium is a well-chosen mixture of gravel and dolomite in appropriate proportions, which completely eliminates the problem. Before the filtration process water must be aerated.

CHARACTERISTICS

- Fully automatic, electronic control of the rinsing process with the use of the high-quality Clack control valve
- Simple hydraulic connection
- Considerable improvement of water parameters
- Filter rinsing without the use of chemical reagents
- Due to the sedimentation nature of the filtration process, the Ironit medium is recommended for highly contaminated water with high turbidity and unpleasant colour



TECHNICAL SPECIFICATIONS

	S	M	L	XL
Control valve	Clack TC	Clack TC	Clack TC	Clack TC
Connection	1"	1"	1"	1"
Medium amount [L]	55	75	90	120
Nominal flow rate [m3/h]	0,9	1,0	1,2	1,6
Maximum flow rate [m3/h]	1,3	1,5	1,8	2,3
Required water flow during the rinsing process [m3/h]	2,2	2,6	3,0	3,9
Operating pressure [bar]	3,0-6,0	3,0-6,0	3,0-6,0	3,0-6,0
Water consumption per rinsing [L]	310	360	420	550
Cylinder dimensions [inch]	12 x 48	13 x 54	14 x 65	16 x 65
Column width [mm]	320	340	380	420
Column height [mm]	1530	1640	1920	1940
Column depth [mm]	320	340	380	420
Electrical connection [V/Hz]	230/50	230/50	230/50	230/50

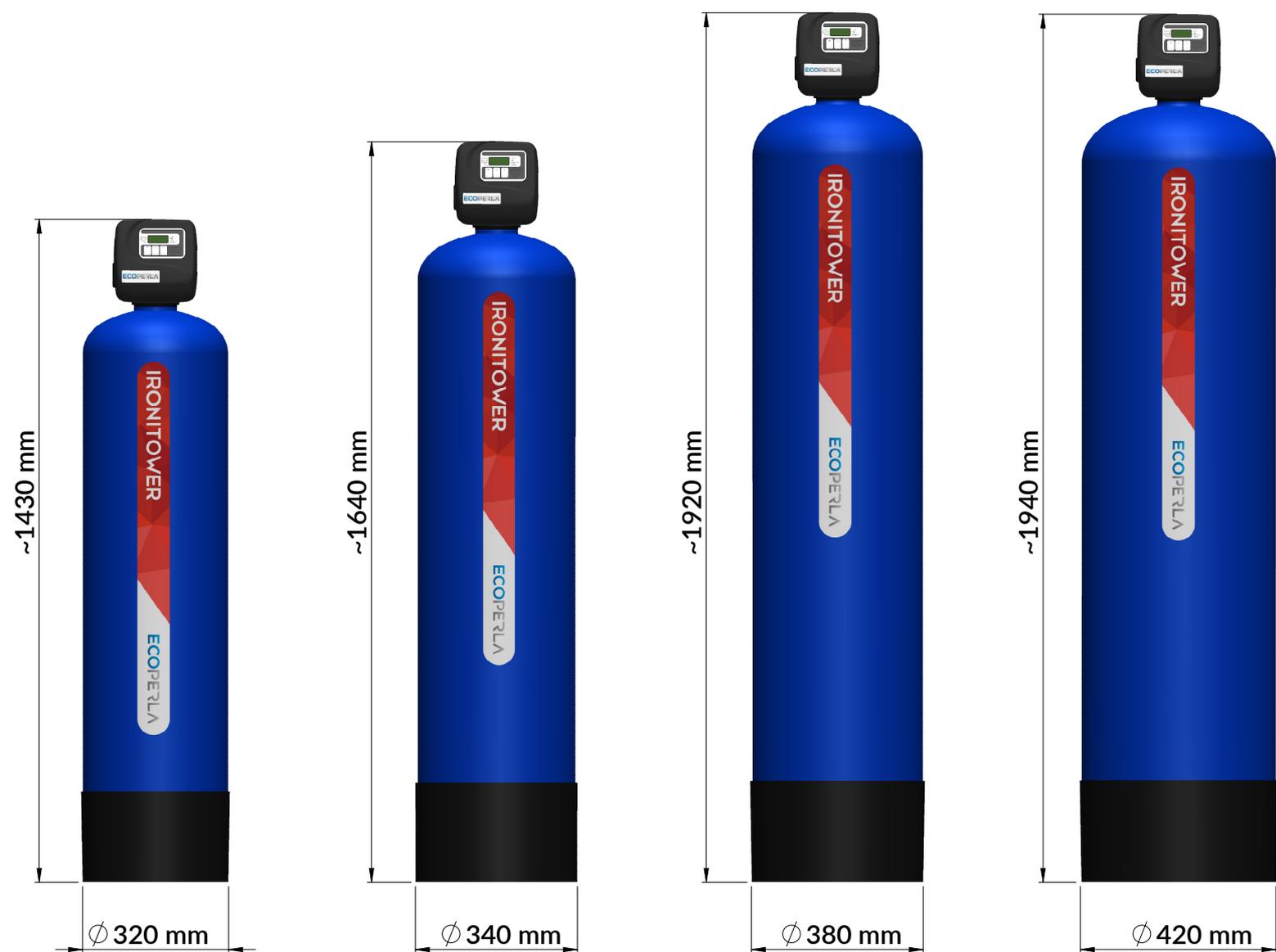
DIMENSIONS

S

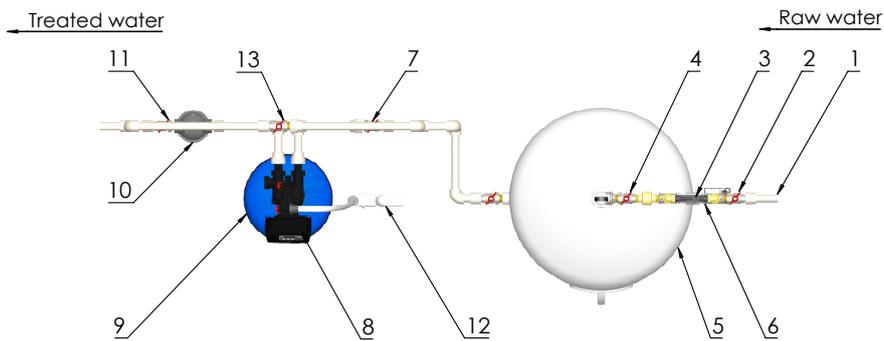
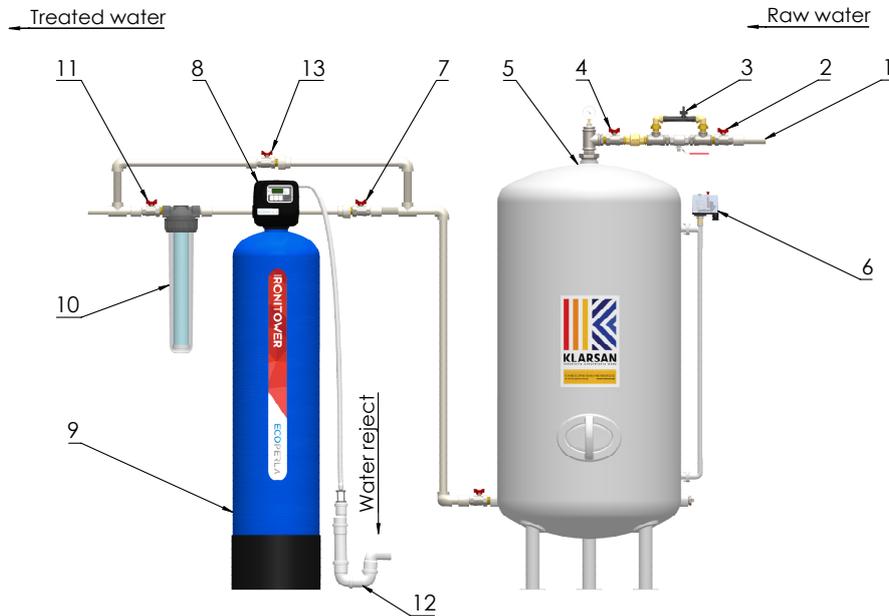
M

L

XL



ECOPERLA IRONITOWER CONNECTION DIAGRAM



1.	Water inlet from the pump	8.	Control valve
2.	Shut-off valve	9.	Ecoperla Ironitower
3.	Aerator	10.	Mechanical water filter
4.	Shut-off valve	11.	Outlet valve from Ecoperla Ironitower
5.	Non-membrane hydrophore tank	12.	Drain to the sewage system
6.	Pressure switch	13.	Bypass valve
7.	Inlet valve from iron and manganese removal filter		

NOTES

- Water aeration is necessary for proper operation of the system.
- Mechanical water filter should be used behind the system.
- The intensive rinsing process of the filtering medium requires increased capacity provided by the pump (data in the table) while maintaining normal operating pressure.
- It is also possible to connect the hydrophore from the side. Such a solution is used in the case of small iron exceedances which does not require very intensive aeration.