

ergo Water Softeners

The ergo Softener module is a water softening unit which works on the principle of Ion Exchange Process in which the hardness causing ions such as Calcium and magnesium are exchanged with sodium ions. The softening resin is regenerated with the brine solution and this can be done either automatically or manually by a multi port valve.



Features	Benefits
MS vessels with Epoxy or rubber lining or FRP with food grade LLDPE lining	Non corrosive and improved service time
Filter vessel designed at an operating pressure of 5kg/cm ²	High reliability and product of assured quality
uPVC frontal piping with MPV or MS with Epoxy painted frontal	Non corrosive frontal piping arrangement with Auto / Manual multiport valve for easy operation.
Hub and Lateral Distribution system for FRP and MS Epoxy painted for MS vessels	Non corrosive Poly Propylene hub and lateral distribution system that ensure uniform filtration across the filter.
NSF 61 Certified composite FRP vessel	Filter vessel suitable for potable water application

Applications

- Boiler feed water treatment
- Cooling tower make up water
- Laundries, Schools and hotels that require soft water.

Standard Supplies

- One Vertical MS vessel - Rubber or Epoxy lined internally - Red Oxide Externally or One FRP vessel
- One set of internal Distribution and collection system.
- One set of uPVC frontal piping with multi port valve or MS Epoxy piping with multi port valves
- One set of Brine regeneration system
- One set of Differential pressure gauge or Bourdon Pressure gauge at inlet and outlet to determine the pressure drop
- One initial charge of Strong Acid Cation resin



Ergonomic Design



Minimum Footprint



Maximum Convenience



Plug & Play



Easy Maintenance



Fontus Service Advantage

Technical Features

Softener with FRP Vessel

Parameters	Model No									
	ergo soft1054	ergo soft1354	ergo soft1665	ergo soft2162	ergo soft2472	ergo soft3072	ergo soft3672	ergo soft4272	ergo soft4872	ergo soft6367
Flow rate (m ³ /h)										
Min	0.4	1	1	1.5	2.5	4.5	6.5	9	11.5	20
Max	1.5	2.5	4	4	8.5	13	19	25	33	35
Salt / regeneration (kg)	5	7	15	24	36	55	78	99	138	198
Hardness in mg/l as CaCO₃	OBR (m³)									
200	11	15	30	60	80	130	180	230	320	450
300	7	10	20	40	60	80	120	150	210	300
400	6	8	20	30	40	60	90	110	160	230
500	4	6	10	20	30	50	70	90	130	180
600	4	5	10	20	30	40	60	80	110	150
700	3	4	10	20	20	40	50	60	90	130

Softener with MS Vessel

Parameters	Model No						
	ergo soft1000	ergo soft1200	ergo soft1400	ergo soft1600	ergo soft1800	ergo soft2000	ergo soft2200
Flow rate (m ³ /h)							
Min	8	12	1	20	25	35	50
Max	25	30	4	50	70	90	100
Salt / regeneration (kg)	114	162	222	288	360	450	540
Hardness in mg/l as CaCO₃	OBR (m³)						
200	261	371	510	660	830	1030	1240
300	174	248	340	440	550	690	830
400	131	186	250	330	410	520	620
500	105	149	200	260	330	410	500
600	87	124	170	220	280	340	410
700	75	106	150	190	240	290	350



FONTUS WATER PVT. LTD.

A-1/152, Neb Sarai, IGNOU Road, New Delhi-110 068, INDIA

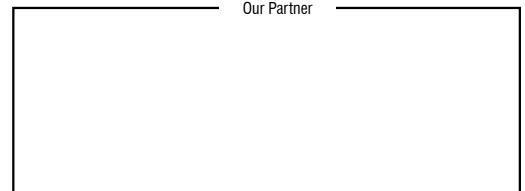
T: +91-11-4310 0561/541 | F: +91-11-4310 0599 | M: +91-97176 90522

E: sales@fontuswater.com | W: www.fontuswater.com



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