

made in italy

product



Smart.
Easy.
Functional.

Ekosoft

cabin size, metered
water softener

SAVE UP TO 20% ON
ENERGY

20%

SAVE UP TO 90% ON
MAINTENANCE COSTS

90%

SAVE UP TO 55% ON SOAP AND
DETERGENTS

55%



WATER TREATMENT SYSTEMS MADE IN ITALY SINCE 1978

WWW.EUROACQUE.IT

Ekosoft.

the new generation of water softeners for families.

Water softening is the **removal of calcium, magnesium**, and certain other metal cations in hard water. The resulting soft water is more compatible with soap and extends the lifetime of plumbing. **Water softening is usually achieved using ion-exchange resins.**

Ion-exchange resins are used to replace the magnesium and calcium ions found in hard water with sodium ions. When the resin is fresh, it contains sodium ions at its active sites.

When in contact with a solution containing magnesium and calcium ions (but a low concentration of sodium ions), the magnesium and calcium ions preferentially migrate out of solution to the active sites on the resin, being replaced in solution by sodium ions. This process reaches equilibrium with a much lower concentration of magnesium and calcium ions in solution than was started with.



The resin can be recharged by washing it with a solution containing a high concentration of sodium ions (e.g. it has large amounts of common salt, NaCl, dissolved in it). The calcium and magnesium ions migrate off the resin, being replaced by sodium ions from the solution until a new equilibrium is reached. The salt is used to recharge an ion-exchange resin which itself is used to soften the water.

	CODE	MODEL	CYCLE	FLOW RATE ($\Delta P=0,2$ BAR)	CONN.	SIZE mm		
			$m^3 \times Fr$	Lt/h		A	B	C
	ESOFTM09	EKOSOFT M10	48	800	1" M	675	320	500
	ESOFTM15	EKOSOFT M15	78	1500	1" M	675	320	500
	ESOFTM17	EKOSOFT M20	102	2000	1" M	1135	320	500
	ESOFTM26	EKOSOFT M30	156	2200	1" M	1135	320	500

ON REQUEST, TWO BODIES VERSION UP TO 100 LITERS OF RESIN
DRINKING WATER APPROVED



fig. A



fig. B

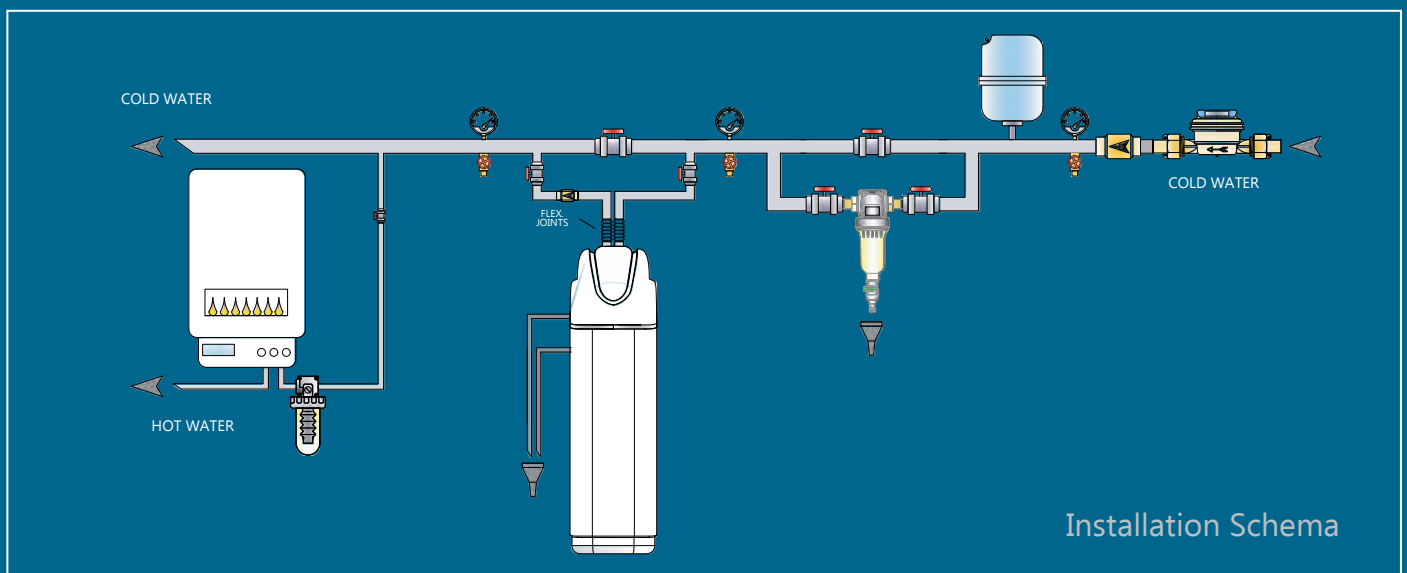
- + AUTOMATIC DIGITAL
- + VOLUME CONTROLLED
- + VOLUME + TIME
- + HARDNESS MIXING VALVE
- + BRINE SAFETY VALVE INCLUDED
- + DRAIN LINE CONNECTION INCLUDED



SIZE YOUR WATER SOFTENER

The water softener is chosen based on water hardness and the number of flats. The box resulting from the cross between hardness and no. of flats determines the choice. Numbers indicate the litres of cationic resin needed in water softener tanks.

NO. FLATS	NO. USER	DAILY CONSUMPTION	SOFTENER SIZE, HARDNESS IN °F				
			15/30	30/35	35/40	40/45	45/50
1	2-4	300-600	10	15	15	15	20
2-3	4-8	600-1000	20	20	20	30	30
3-4	8-12	1000-1800	30	30	30	30	30



Saving

you can save up to 20% on the energy costs and up to 90% for maintenance.



Functional

Calculate and use the right reserve of softened water, favoring lower consumption / waste of water and salt compared to traditional water softeners.



Compliance

DM 174 - DM 25/2012.
materials in contact with drinking water



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THE WATER SOFTENER

FUNCTIONING

The regeneration is completely automatic and takes place in five stages during the day and time selected. During the regeneration cycle, the water softeners, closes a BY-PASS automatically who guarantees the supply of water to the user.

PROTECTION OF THE BOILER

The soft water prolongs the boiler's lifetime and reduces the scale deposits formed by minerals in hard water. It also saves your money thanks to the reduced energy consumption (17% to 21%) needed to heat water.

COOLING SENSATION

Set down soft water in the bath tub and feel the different freshness. The absence of calcium favors the breathing of the skin pore.

ADVANTAGES

THE ADVANTAGES OF SOFT WATER TO A FAMILY OF 4 PERSONS	SAVING
Soap and Detergents	55%
Linen Use	33%
Energy for heating	60%
Appliances Maintenance	92%

Decrease of kidney stones formation risk. Soft and gentle hair to comb. No need to dry dishes, glasses and silverwares. Scale deposits are eliminated completely. The garments will be soft to the touch in absence of calcium infiltrated into the tissues, and the colors are kept bright. The foods will cook faster and even better, boiled meat will be tender and less fibrous, cooked vegetables will have their natural color. Tea and Coffee regain their true flavor.

PROBLEMS OF THE WATER

Scale deposits, incrustations and corrosion: The incrustation is the cause of the reduced thermal exchange. Lime deposits lead to an obstacle in heat exchange and a waste of energy, they can also cause a breakage of the metal in correspondence to the points of higher exchange with the consequent need of components replacement.

PROTECTION OF PIPES

Scale deposits may clog the pipes after a certain period of time. If pipes are clogged the water flow is slower and the pressure reduced drastically. A water softening system can prevent this effect.

REMOVAL OF SPOTS

When the bathroom's appliances benefit of soft water there will be no more unsightly deposits, stains or dirt around the faucets.

SKIN PROTECTION

No more irritations caused by shaving. The razor will glide gently on your face thanks to the soft water.

HAND PROTECTION

The cause of hands to become red or chapped is attributable to limescale in water. The soft water caresses and does not irritate your skin.



THE EUROACQUE FACTORY IS PARTIALLY POWERED BY RENEWABLE ENERGY THROUGH THE USE OF A MODERN PHOTOVOLTAIC SYSTEM



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