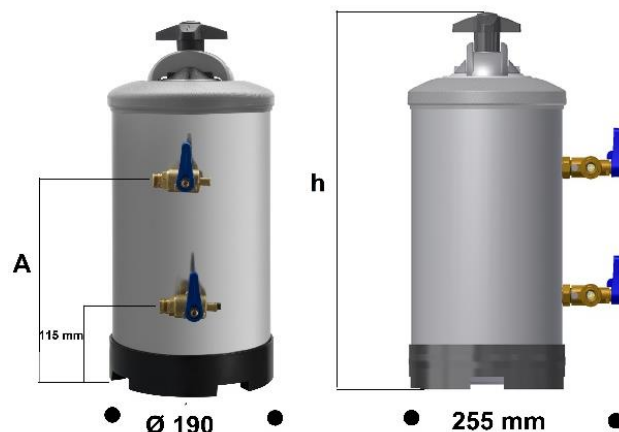


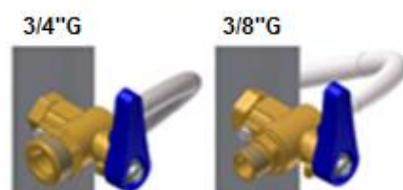
MANUAL WATER SOFTENERS LT SERIES

The LT model features two ball-type valves in brass; one is located upstream, where water flows in, and the other one is downstream, where water flows out of the softener. Moreover, various water pipe couplings are available - more specifically, the 3/8" G and the 3/4" G couplings.



LITRES OF SOFT WATER BASED ON WATER HARDNESS						Cyclic Capacity m ³ .°f
°f	20	30	40	50	60	
°d	11	16	22	28	33	
ppm CaCO ₃	200	300	400	500	600	
LT 5	1050	700	525	420	350	21.0
LT 8	1680	1120	840	672	560	33.6
LT 12	2520	1680	1260	1008	840	50.4
LT 16	3360	2240	1680	1344	1120	67.2
LT 20	4200	2800	2100	1680	1400	84.0

WATER COUPLINGS



TECHNICAL FEATURES					
Model	LT 5	LT 8	LT 12	LT 16	LT 20
Total height.h	300	400	500	600	900
Inlet height.	160	230	330	430	730
Outlet height.A	115	115	115	115	115
Weight in Kg	5	8	10	13	20
Capacity	5	8	12	16	20
Resib volume	3.5	5.5	9	11	14
Salt in brine	0.5 Kg	1.0 Kg	1.5 Kg	2.0 Kg	2.5 Kg

TECHNICAL FEATURE

Infeed water pressure	0.1 – 0.8 MPa (1-8 bar)
Nominal flow rate	1000 l/h
Room temperature	4°C – 35°C
Water pipe couplings	3/8" G- 3/4" G

INFEED WATER FEATURES:

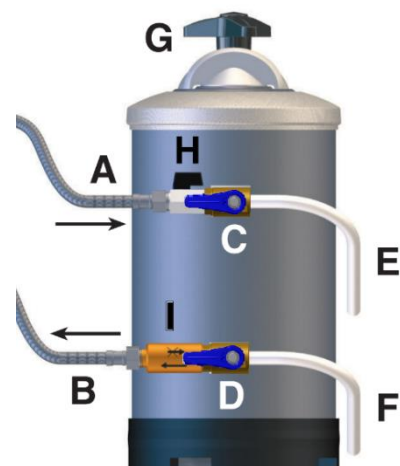
The infeed water shall have the following features :
It shall be drinkable and clear

Its temperature shall range from 6°C to 25°C

Water hardness shall be lower than 900 ppm CaCO₃ (90 °f

INSTALLATION DRAWING

- A- Water inlet pipe
- B- Water outlet pipe
- C- Water inlet tap
- D- Water outlet tap
- E- Drain pipe
- F- Regeneration pipe
- G- Lid knob
- H- Water supply network tap
- I- Non-return valve



THIS SOFTENER IS SUITABLE FOR THE FOLLOWING USE:

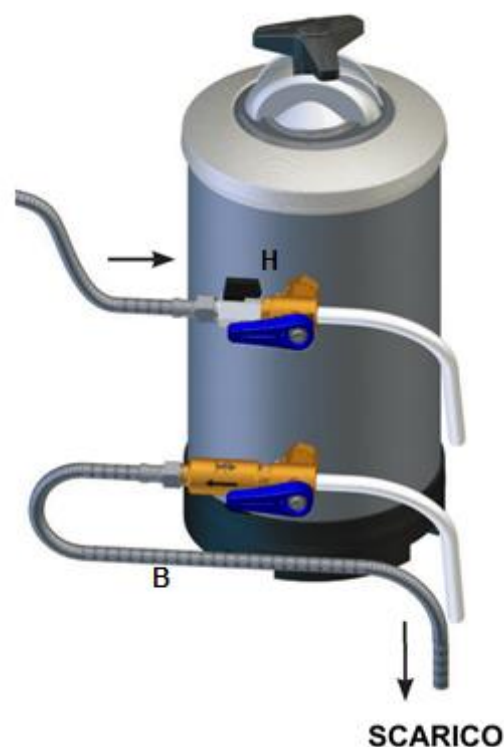


CONNECTION TO THE WATER SUPPLY NETWORK

The user shall install a tap (H) between the water supply pipe and the softener so as to stop water from flowing into the equipment when needed as well as a non-return valve (I) so as to avoid back pressure.

PUTTING INTO SERVICE

Install the water outlet pipe (B) in a drain system. Turn the taps to the left side and open the water supply tap (H). Let water flow until it is clear, then close the water inlet pipe and connect the water outlet pipe to the machine water is supplied to.



RIGENERATION ON A REGULAR BASE

Put in a bucket the pressure release pipe.

Turn the taps to the right side and wait until pressure release is completed.

Remove the lid by unscrewing the knob and add the suggested amount of salt based on the model.

As to regeneration the exclusive use of refined salt used for foodstuffs (sodium chloride -NaCl- kitchen salt) is advisable.

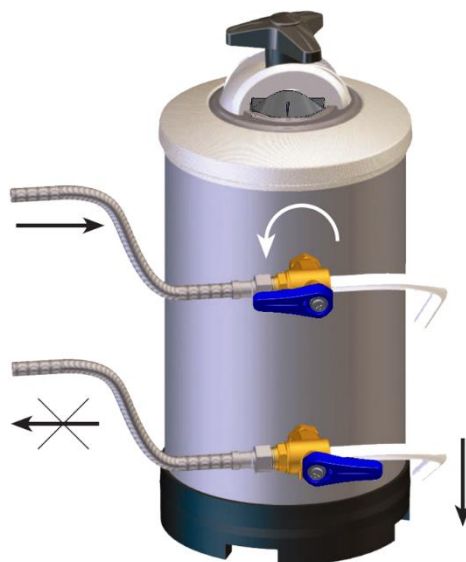
Do not put in the equipment substances other than water and sodium chloride (NaCl).

Use a wet cloth to clean away any salt residues on the lid and the cylinder.



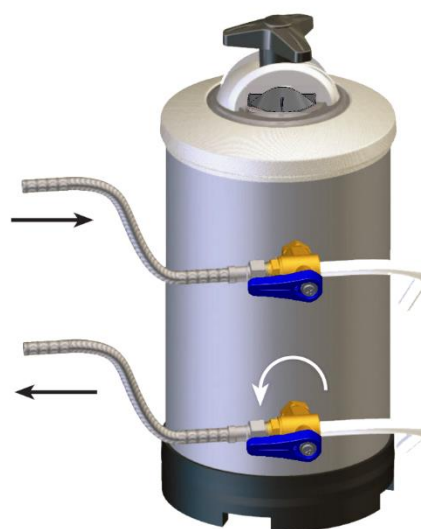
Put back the lid in its housing by properly screwing the knob and turn the water inlet tap to the left side.

Let salt water flow through the drain pipe for roughly 40 minutes (that is the time needed to soften water).



Put the softener back into service by turning the water outlet pipe to the left side.

The regeneration cycle is completed.



NOTE: During regeneration the equipment **does not** supply water

KAIROS ELECTRONIC FLOWMETER ATTACHMENT

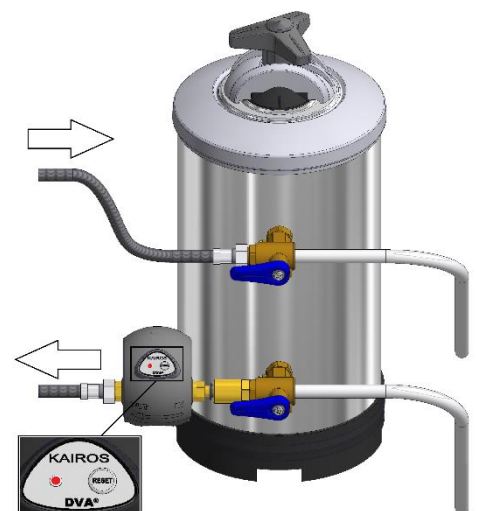
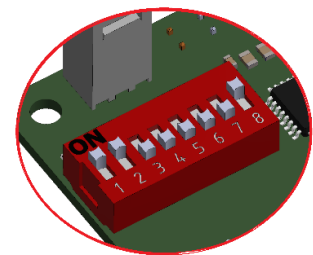
We suggest the use of Kairos in order to increase softener efficiency.

Kairos is an electronic flowmeter used to manage manual water softeners.

Soft water litres counting varies according to cylinder size and water hardness.

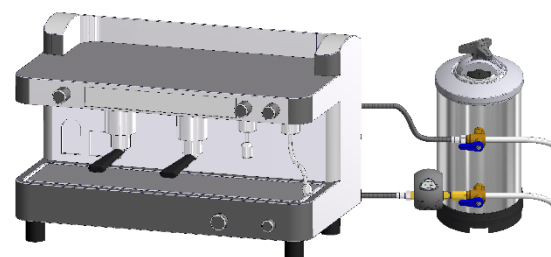
Water hardness and cylinder size data are set by using some inbuilt switches such setting can be changed at any time.

When soft water is supplied, Kairos can warn, thanks to a visual alarm and a buzzer, if the softener is about to run out of salt or if the cylinder capacity is over so that a regeneration cycle or cylinder replacement is needed.

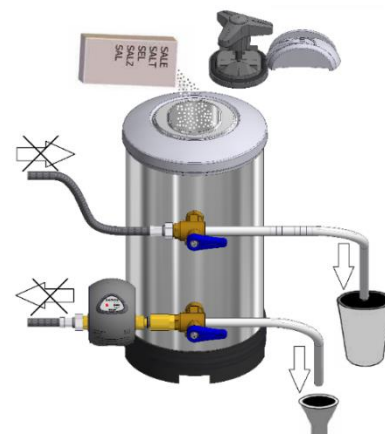


Kairos can be connected to external equipment so as to communicate the actual counting of soft water litres.

This equipment is suitable for coffee machines, dishwashers, ice-makers and steam ovens.



By counting the actual litres of supplied soft water, Kairos can help the store manager in assessing how many cups of hot beverages or coffee have been made.



Kairos is a useful device for the installer and the store manager alike as it enhances organization and planning procedures.

Regeneration is carried out without hindrances.

HYGIENIC SAFETY NORMS AND ICIM TESTING

This equipment has been tested by the ICIM Institute of Italian Certificated for the Mechanic, licensed credited labora-tory, certificated to the compliance with:

- **Reg. n.1935/2004/CE** products and componence contact with elements according to the dispositions MOCA.
- **D.M. n.174/2004** products and componence utilised in contact with feed water. It is **NECESSARY** to use original replacements for repairs and maintenance, to guarantee hygienic safety.

