



# VELVET

## WORKING PRINCIPLE

Water softening is the removal of calcium, magnesium, and certain other metal cations in hard water. 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.

## 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.

## 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 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.

## 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.

## 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.

## CLEANING EASIER

Washing floors, tiles and wood surfaces become easier and faster with soft water because this eliminates the excess of soap suds.





**Bypass included**

the installation will be faster and cheaper

# VELVET

## THE NEW ECOLOGICAL DOUBLE PROPORTIONAL WATER SOFTENER

Automatic water softener VELVET , with digital control valve, LCD color display, for volume and time regeneration. Double proportional in salt and water consumption and calculation of the brine reservoir. Hardness blending valve and disinfection system integrated in the control valve. For drinking water use. The improved in-service system and the upflow brine injection allow using 100% of the resin included.

Advantages: saving up to 80%\* of salt and water with both low and high system usage. The softener calculates the effective consumption and regenerates only the resin used by the user. The regeneration uses "dry brine". Equipped with a "holiday function" to avoid wasting salt and water during periods of inactivity, guaranteeing clean and ready to use resin. with salt exhaustion sensor and a double LED to facilitate reading and to illuminate the inside of the cabinet to check the salt level easily.

\*Volumetric + double proportional maximum efficiency compared to traditional softeners



**LCD color display with touch screen buttons**

Functional and user friendly



www.euroacque.it



WATER TREATMENT  
MADE IN ITALY  
SINCE 1978

**Salt exhaustion sensor**

The display warns the user when the salt level is low and needs to be added

**Exclusive Design**

Brand New Colors and design by Euroacque

**Lighting LED**

Aesthetic and technical purpose: double LED to facilitate reading and maintenance in dark rooms, to illuminate the inside of the cabinet to check the salt level easily.

**Ergonomic handles**

Softener easy to move



**Saving up to 80%\* of salt and water \***

Thanks to volumetric + double proportional + holiday mode

\*Volumetric + double proportional maximum efficiency compared to traditional softeners

DRAWING	CODE	MODEL	FLOW RATE (ΔP=0,2 BAR)	MAX CYCLE	SALT CONSUMPTION/ REGEN.	CONNECTION	SIZE IN MM		
			Lt/ora	m³x°Fr	(kg)		A	B	C
	VELVEM08	VELVET M8	800	48	0.68	1"	565	400	455
	VELVEM22	VELVET M22	1800	132	1.87	1"	1000	400	455