

**DVA**<sup>®</sup>  
DE VECCHI S.R.L.

# WATER SOFTENERS



***AL SERIES***

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## WHY DO I NEED A WATER SOFTENER?

It is well known that water, when heated, can create serious problems due to scale formation. Softened water, instead, does not form scale and also allows you to:

- save money on machine maintenance
- increase the implant duration and performance
- drastically reduce the amount of detergent during washing
- guarantee the absence of marks on shiny surfaces after washing.

## CHARACTERISTICS



AL12

AL8 RC

AL5

The AL softeners have been designed to meet the needs of the catering sector.

Thanks to the optimization of the regeneration phases, the AL series use a minimum quantity of water for their regeneration program.

The AL series of automatic softeners includes three models:

**AL5, AL8 RC, AL12** provided with the ALIA valve in Chronometric or Volumetric version.



## QUICK TO INSTALL, SIMPLE TO PROGRAM

Thanks to their software, AL softeners perform operations that make them unique in their category, for example: the self-installation program, the salt warning program and the memorization of the installation date.

Once in operation, the display will show all the information necessary to see correct operation.



**CHRONOMETRIC/VOLUMETRIC**

# THE ALIA VALVE SPEAKS FIVE LANGUAGES:

Italian, English, French,  
German and Spanish.

## PERFORMANCE

### SALT CHECK

The AL softeners are able to warn the user to check the presence of salt after having carried out some programmed regenerations. This warning will avoid that the brine run out the salt.



### SALT ALARM

There is a function that helps the user to monitor the presence of salt in brine. When the salt in brine runs out, an acoustic and a visual signal will turn up.



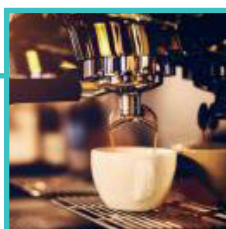
### TECHNICAL SOLUTIONS

All the components inside the **AL softeners** guarantee maximum efficiency and smooth operation. The grid inside the brine dissolves the salt homogeneously to carry out a more effective regeneration.

On request, **AL softeners** can be equipped with **ANTI-OVERFLOW DEVICE** completely integrated inside, which prevents water from escaping from the brine tank.

## CHARACTERISTICS

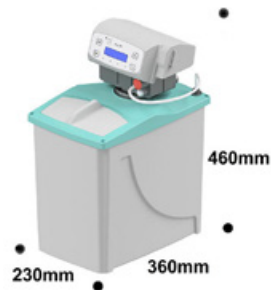
### APPLICATIONS



Ideal to meet the needs of the bar and restaurant sectors and for all water use applications: 2/3/4 group coffee machines, cup washers, dishwashers, ice makers, steam cooking ovens.

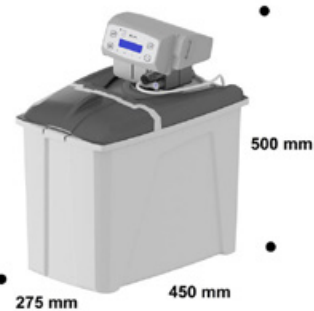
# AL5 AL5V

Weight	11 Kg
Regeneration salt	0,6 Kg
Salt braine tank	10 Kg
Cyclic capacity	21 m <sup>3</sup> °f
Resin quantity	3.5 lt



# AL8 RC AL8V RC

Weight	12 Kg
Regeneration salt	1,0 Kg
Salt braine tank	20 Kg
Cyclic capacity	33,6 m <sup>3</sup> °f
Resin quantity	5.5 lt



# AL12 AL12V

Weight	15 Kg
Regeneration salt	1,5 Kg
Salt braine tank	25 Kg
Cyclic capacity	50,5 m <sup>3</sup> °f
Resin quantity	9 lt



Flow rate	1400 l/h
Room temperature	min 4°C - max 35°C
Temperature water	min 6°C - max 25°C
Supply water pressure	0.2 Mpa Min 2 bar - 0.8 Mpa Max 8 bar
Power supply	Input 100 V - 240 V 50/60 Hz - Output 15V DC
Absorbed power	4 W



3/4" G 3/4" G  
VOLUMETRIC

SOFT WATER LITRES BASED ON WATER HARDNESS					
°f	20	30	40	50	60
°d	11	16	22	28	33
ppm CaCO <sub>3</sub>	200	300	400	500	600
AL5 - AL5V	1050	700	525	420	350
AL8 RC - AL8V RC	1680	1120	840	672	560
AL12 - AL12V	2520	1680	1260	1008	840



3/8" G 3/8" G  
3/4" G 3/4" G  
CHRONOMETRIC

## SUPPLY WATER FEATURES

Supply water:

- must be drinking
- the temperature must be between min 6 °C and max 25 °C
- must be clear water (SDI 1)
- The ph must be between 3 and 11
- its hardness must be less than 900 ppm CaCO<sub>3</sub> (90 °f)

