

# VOLUMETRIC SOFTENERS

FOR APPLICATIONS ON DRINKING AND INDUSTRIAL WATERS



COMPACTS

RELIABLES

CONVENIENTS

## BENEFITS DERIVED FROM THE VOLUMETRIC REGENERATION

All ion exchange softeners have the function of reducing limescale in water by retaining it through so-called "ion exchange" resins. To do this, however, they need to periodically regenerate using a brine of water and sea salt; an operation that requires a consumption of both salt and water. The range 3 softeners have volumetric control, which consists in evaluating the real passage of water (unlike the timed system in which the regenerations are programmed at specific times); this criterion guarantees lower consumption of salt and water, as well as the maximum duration of the resins. In the volumetric valve there is a precision meter that detects the volume of water treated at the passage. This data is stored either on a totalizer (SVM models) or in an electronic memory (SVE and SVE-X models). Since the valve is programmed in the testing phase, depending on the characteristics of the water to be treated, this can automatically establish the best time for the regeneration which will however take place at the preset time. Regeneration takes place in 4 main phases: backwashing, picking up the brine and slow washing, rapid washing, returning water to the brine.

## SVM

The softeners of the SVM series are managed by an electromechanically controlled volumetric control unit. The result is a very advanced but easy-to-use product, guaranteeing great reliability and minimum overall dimensions as they are all single-body cabs.



## SVE-x 1"

The softeners of the SVE-x 1" series are managed by an electronic unit, under volumetric control. Suitable for small and medium-sized appliances (max 30 lt resins), they are highly versatile as regards the management of the regenerative phases also in relation to the quality of the treated water and its use. This allows for a salt and water saving of up to 50% compared to any timed softener. Furthermore, the maximum reduction of moving mechanical parts guarantees high silence and minimum wear.



## SVE-x 1"1/4

Gli addolcitori della serie SVE-x 1"1/4 sono gestiti da una centralina elettronica sotto controllo volumetrico. Questo consente un risparmio di sale e di acqua fino al 50% rispetto a qualsiasi addolcitore a tempo. Rispetto alla serie SVE-m possono garantire maggiori portate sia di servizio che di controlavaggio; inoltre la massima riduzione di parti meccaniche in movimento garantisce alta silenziosità e minima usura.



## SVE residenziale

The softeners of the SVE residential series are automatic systems with electronic volumetric programming (optionally also timed). Thanks to the technology used, these appliances are extremely reliable, guaranteeing, among other things, minimum consumption of salt and water. In fact, each regeneration phase can be set in order to optimize yields and adapt to any type of situation. The use of resins with high exchange capacity and cylinders compliant with European standards in non-toxic PE reinforced with fiberglass, complete the description of a technologically very advanced product.

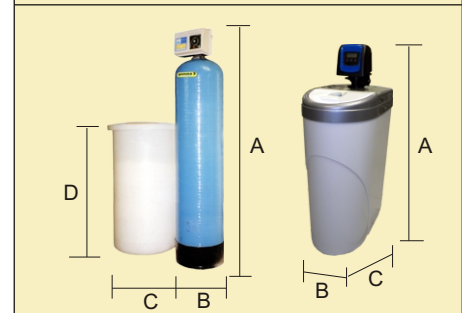


## Technical Features

SV...	MODELS								
	8	15	25	30	45	75	100	150	200
appearance	cabinet				pressure tank + brine system				
body of valve	noryl renf. with fiberglass - Fitting brass						brass		
electric power	220 V AC								
fittings IN-OUT (ichs FF)	1						1-1/2		
flow water service (lt/min)	20	25	30	33	50	60	110	130	150
flow water max (lt/min)	30	35	40	45	60	70	120	140	160
resins volume (lt)	8	15	25	30	45	75	100	150	200
salt container material	cabinet body in food PE				brine tank in food PE				
container salt capacity (lt)	25	75			100		200		400
quantity regeneration salt(kg)	1,5	3,0	4,5	5,5	8,1	13,5	18,0	27,0	36,0
ciclic capacity resins (mc.°F)	32-55	70-93	124-158	154-180	235-260	400-435	535-568	814-840	1090-1120

Larger systems or with different characteristics may be listed on request

Model	Measures (cm)			
	A	B	C	D
sv.....08	68	28	48	
sv.....15	112	30	45	
sv.....25	112	30	45	
sv.....30	112	30	45	
sv.....45	145	26	45	83
sv.....75	170	35	45	83
sv....100	190	36	45-60	83-100
sv....150	190	41	60	100
sv....200	190	51	60	100



## industrial SVE

The softeners of the SVE industrial series are designed and sized according to the specific needs of the user; combining the use of automatic valves for service and regeneration cycles, with pneumatic and electric valves for other accessory functions.

The Tanks used are of the type with PE liner reinforced with VTR, while the connecting pipes between the modules are partially made of TIG-welded stainless steel and partially in PVC.

