

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.

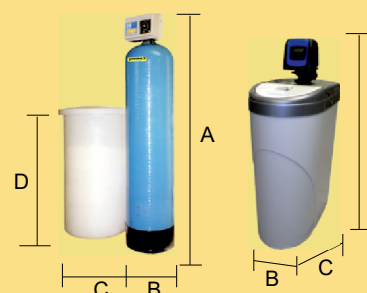


Technical Features

| | Resins Volume | | | | | | | | | |
|-----------------------------|---|-------|---------|---------|------------------------------|---------|---------|---------|-----------|-----|
| | 8 | 15 | 25 | 30 | 45 | 75 | 100 | 150 | 200 | |
| appearance | cabinet | | | | pressure tank + brine system | | | | | |
| body of valve | noryl rinf. whit fiberglass - brass fitting | | | | | | | brass | | |
| electric power | 220 V AC | | | | | | | | | |
| fittings ("F") | 1 | | | | | | | 1-1/2 | | |
| water flow serv. (lt/min) | 25 | 30 | 30 | 35 | 50 | 60 | 70 | 110 | 130 | 150 |
| water flow max. (lt/min) | 30 | 40 | 40 | 45 | 60 | 70 | 80 | 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 | | | | | |
| cap. container salt (lt) | 25 | 75 | | | 200 | | | 300 | | |
| quantity regen. salt. (kg) | 0,96 | 1,80 | 3,0 | 3,6 | 5,4 | 9,0 | 12,0 | 18,0 | 24,0 | |
| ciclic capacity resins (lt) | 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.

