

SOFTENERS SVA series

AUTOMATIC SOFTENERS BY VOLUME CONTROL



Using Salt to remove Salts!

The **SVA series** of calcium and magnesium removal are the best solution for softening water, for professional or industrial applications when typically small & medium flow rates are required. These softeners are robust, engineered for 24/7 usage, with limited space and energy footprint. The resin internally of the softener, which is strongly cationic is able to remove the calcium and magnesium ions from untreated water originated by municipality or well. The control valve is volume programmable and when the volume set is reached, the regeneration starts in order to restore the resin bed to its previous state. . All parts are NON-Toxic, suitable for potable water and for long term use.

SVA softeners are connected in series with your water network after any booster set, or before a reservoir tank, depending on the application.

Features:

- ✓ Automatic or manual function!
- ✓ Detergent ECONOMY!
- ✓ Safe! (12V)
- ✓ Trouble free operation
- ✓ Food grade components
- ✓ Widely installed in well water supplies.



Applications:

- ◆ Industrial softening.
- ◆ Well water softening.
- ◆ R.O. pre-treatment.
- ◆ Laboratories.
- ◆ Steam and Hot baths (Hammam and Spas).
- ◆ Espresso and ice cube machines.
- ◆ Dental equipment.

Characteristics:

- **Control valve:** glass reinforced Noryl®
- **Resin vessel:** PE fiberglass reinforced externally.
- **Pressure:** 1,72 - 6,9bar
- **Water temp:** 1 - 36 °C.
- **Ambient temp:** 4 - 45 °C.
- **Service flow:** 0,7 - 17m³/h
- **Voltage:** 230 AC to 12AC EU plug transformer.

CRYSTAL BLUE
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Scan the QR code to
ask for a quotation
via email.



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- ◇ **Volumetric** means that the treated water is measured by the controller and the regeneration starts on the pre-set volume. A turbine flow meter in the outlet of the SVA is transmitting pulses to the valve for every liter.
- ◇ The preset volume is a result of the liters of resin and the total hardness of the inlet water. It corresponds to the “**Capacity**”.
- ◇ **Resin** is the media absorbing hardness from the water. The strong cation resin that fills the SVA is a high efficiency, long lasting ion exchange resin.
- ◇ **Hardness** is the quantity of calcium & magnesium ions inside the body of water to be treated. Usually it is measured in French degrees Fr^o. (10ppm = 1Fr^o)
- ◇ **Regeneration** is the process where the resins are restored as new again by the valve.
- ◇ **Valve** is the hydraulic part of the softener that responds to controller’s demands and carries out all the automated phases of regeneration and service.
- ◇ **Controller** is the electronic device that stores and shows data, perform actions and manages processes so everything have an automated & smooth workflow.

M _{ODEL}	C _{ycle}	R _{esins}	C _{apacity*}	S _{alt consumption}	F _{low Rate}	P _{eople**}	C _{onnections}	D _{rain}	H _{eight}
Units	m ³ ×Fr ^o	L	m ³	Kg/regen	m ³ /h	I.E.	in	in	mm
SVA90	88	15	2,93	2,35	0,7	12	1”	1/2”	1.102
SVA150	145	24	4,83	3,87	1,2	19	1”	1/2”	1.331
SVA300	264	44	8,80	7,03	2,2	35	1”	1/2”	1.585
SVA450	445	74	14,83	11,87	3,7	59	1”	1/2”	1.585
SVA650	605	101	20,17	16,13	4,9	81	1,5”	1”	1.864
SVA750	734	122	24,47	19,58	6,0	98	1,5”	1”	1.941
SVA1100	1.080	180	36,00	28,80	8,8	144	1,5”	1”	1.941
SVA1350	1.339	223	44,63	35,71	10,9	179	1,5”	1”	1.814
SVA1950	1.944	324	64,80	51,84	15,8	259	1,5”	1”	2.043
SVA3100	3.067	511	102,23	81,79	17,0	409	2”	1,5”	2.139
SVA4450	4.406	734	146,87	117,50	170	587	2”	1,5”	2.139

*Capacity estimated for 30 Fr^o hardness. **Inhabitant Equivalent: 250L/person/day.

Other models and capacities available by request. **There are also available duplex or triplex softeners for challenging systems.**

Includes:

- ◇ Drain connection kit
- ◇ Instruction manual
- ◇ By pass hardness adjustment
- ◇ Wall Power Supply 220/12V
- ◇ Hardness test kit

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