

DOMESTIC WATER SOFTENERS

STA AND SVA SERIES

STA SERIES TIME REGENERATION
 SVA SERIES VOLUME REGENERATION
 CABINET AND DUO BLOC VERSION
 WIDE RANGE OF ACCESSORIES



VALVE 255/760



VALVE 268/760

STA / SVA SERIES WATER SOFTENERS DIMENSIONS

| CABINET MODEL | dimensions | | | salt tank capacity lt. | pressure vessel size VTR + PE | mod. valve Autotrol | ø pipes | |
|-----------------|------------|-----|------|---------------------------|----------------------------------|------------------------|---------|-----------|
| | L | D | H | | | | in-out | discharge |
| | mm. | mm. | mm. | | | | | |
| STA1 / SVA1 08E | 240 | 510 | 620 | 30 | 8" x 17" | 255 | 3/4" | 1/2" |
| STA1 / SVA1 10 | 320 | 570 | 660 | 35 | 10" x 17" | 255 | 3/4" | 1/2" |
| STA1 / SVA1 15 | 320 | 550 | 810 | 50 | 9" x 24" | 255 | 3/4" | 1/2" |
| STA1 / SVA1 20 | 320 | 570 | 1130 | 70 | 8" x 35" | 255 | 3/4" | 1/2" |
| STA1 / SVA1 28 | 320 | 570 | 1130 | 60 | 10" x 35" | 255 | 1" | 1/2" |

| DUO BLOC MODEL | dimensions mm. | | | | salt tank capacity lt. | pressure vessel size VTR + PE | mod. valve Autotrol | ø pipes | |
|-----------------|----------------|------|------------|------|---------------------------|----------------------------------|------------------------|---------|-----------|
| | water softener | | brine tank | | | | | in-out | discharge |
| | Ø | H | L | H | | | | | |
| STA2 / SVA2 10 | 195 | 965 | 380 | 790 | 85 | 7" x 30" | 255 | 3/4" | 1/2" |
| STA2 / SVA2 20 | 215 | 1090 | 380 | 790 | 85 | 8" x 35" | 255 | 3/4" | 1/2" |
| STA2 / SVA2 28 | 265 | 1090 | 380 | 790 | 85 | 10" x 35" | 255 | 1" | 1/2" |
| STA2 / SVA2 40 | 265 | 1580 | 500 | 800 | 140 | 10" x 54" | 255 | 1" | 1/2" |
| STA2 / SVA2 50 | 310 | 1430 | 500 | 800 | 140 | 12" x 48" | 255 | 1" | 1/2" |
| STA2 / SVA2 70 | 340 | 1580 | 500 | 800 | 140 | 13" x 54" | 268 | 1" | 3/4" |
| STA2 / SVA2 100 | 365 | 1870 | 500 | 1080 | 190 | 14" x 65" | 268 | 1 1/4" | 3/4" |
| STA2 / SVA2 130 | 415 | 1870 | 500 | 1080 | 190 | 16" x 65" | 268 | 1 1/4" | 3/4" |
| STA2 / SVA2 150 | 490 | 1950 | 635 | 1150 | 340 | 18" x 65" | 268 | 1 1/4" | 3/4" |

The automatic water softeners of the series STA and SVA, thanks to the use of special ion exchange resins suitable for the contact with drinking water, effectively remove encrusting salts of **calcium and magnesium** from the water, which form the so-called "limestone", main cause of fouling and damage to water systems, water heaters, boilers, taps and household appliances.

The series STA equipped with **electronic time timer**, is the most economic system usually used for utilities with almost constant water consumption. This timer allows the programming of the days of the week on which the regeneration shall be carried out. The automatic start of the regeneration cycle at the selected days usually takes place in the night hours in order to avoid the supply of not softened water.

The series SVA equipped with **electronic volume timer**, is the most sophisticated system used for utilities with extremely variable and discontinuous water consumption. The electronic timer starts the volumetric controlled regeneration, based on the amount of water actually used: Since the water consumption of each home is usually variable, the computer changes the regeneration cycle frequency according to the volume of water produced daily. This allows a greater efficiency and a saving of salt and water compared to a softener with time regeneration.

The automatic water softeners of the series STA and SVA are prepared for the installation of the manual bypass and the automatic device for producing chlorine able to sterilize the resin bed. As required by the Italian Ministerial Decree no. 174/2004, all components of the hydraulic circuit are non-toxic and made using materials suitable for contact with drinking water. The automatic water softeners of the series STA and SVA are units for the treatment of drinking water and conform to the Italian Health Ministry's Decree no. 25/2012 and EC standards. Warning: these appliances require regular and periodic maintenance in order to ensure that the water treated meets drinking water standards and that the improvements as stated by the manufacturer are preserved.

THE ADVANTAGES OF THE WATER SOFTENERS

SAVING of costs for electricity and fuel for the domestic hot water production. Reduction in the consumption of detergents, fabric softeners and brighteners for the washing of laundry and dishes. The saving with the softened water can vary from 40 to 70%.

PREVENTION of fouling in boilers, in compliance with the provisions of law 37/08 and the standard UNI 8065. Safeguarding the functioning of boilers, taps, bathroom fixtures, washing machines, dishwashers and household appliances in general.

ECOLOGICAL: elimination of limescale removers needed to remove fouling and lower consumption of detergents, thus saving time, effort, money, but especially less pollution of our environment.

WELLBEING: with softened water you will have softer laundry, your hair will be brighter and with a few drops of product you can take a relaxing bath that will give your skin softness and elasticity.

STA / SVA SERIES WATER SOFTENERS SPECIFICATIONS

| CABINET MODEL | max. flow rate | resins volume | pressure range | power supply | cyclic capacity | salt for cycle regeneration | water for cycle regeneration |
|-----------------|----------------|---------------|----------------|--------------|--------------------|-----------------------------|------------------------------|
| | lt/h | lt. | bar | V. / Hz | m ³ /°F | Kg. | lt. |
| STA1 / SVA1 08E | 500 | 8 | 2 ÷ 6 | 230 / 50 | 45 | 1,5 | 100 |
| STA1 / SVA1 10 | 800 | 10 | 2 ÷ 6 | 230 / 50 | 55 | 1,8 | 125 |
| STA1 / SVA1 15 | 1000 | 15 | 2 ÷ 6 | 230 / 50 | 80 | 2,7 | 180 |
| STA1 / SVA1 20 | 1200 | 20 | 2 ÷ 6 | 230 / 50 | 110 | 3,6 | 225 |
| STA1 / SVA1 28 | 2000 | 28 | 2 ÷ 6 | 230 / 50 | 160 | 5 | 300 |

| DUO BLOC MODEL | max. flow rate | resins volume | pressure range | power supply | cyclic capacity | salt for cycle regeneration | water for cycle regeneration |
|-----------------|----------------|---------------|----------------|--------------|--------------------|-----------------------------|------------------------------|
| | lt/h | lt. | bar | V. / Hz | m ³ /°F | Kg. | lt. |
| STA2 / SVA2 10 | 800 | 10 | 2 ÷ 6 | 230 / 50 | 55 | 1,8 | 125 |
| STA2 / SVA2 20 | 1200 | 20 | 2 ÷ 6 | 230 / 50 | 110 | 3,6 | 225 |
| STA2 / SVA2 28 | 2000 | 28 | 2 ÷ 6 | 230 / 50 | 160 | 5 | 300 |
| STA2 / SVA2 40 | 2700 | 40 | 2 ÷ 6 | 230 / 50 | 240 | 7,2 | 500 |
| STA2 / SVA2 50 | 3000 | 50 | 2 ÷ 6 | 230 / 50 | 300 | 9 | 650 |
| STA2 / SVA2 70 | 3500 | 70 | 2 ÷ 6 | 230 / 50 | 420 | 12,6 | 900 |
| STA2 / SVA2 100 | 4000 | 100 | 2 ÷ 6 | 230 / 50 | 600 | 18 | 1200 |
| STA2 / SVA2 130 | 4500 | 130 | 2 ÷ 6 | 230 / 50 | 780 | 23,4 | 1450 |
| STA2 / SVA2 150 | 4500 | 150 | 2 ÷ 6 | 230 / 50 | 900 | 27 | 1800 |



STERIL001



FILCA001



FILOT001



CARFIL01



28



CARFIL06



FIAUT010



76-4



FIAUT003



CARFIL04



BYPAS001



BYPAS002



STA1 / SVA1-08E



STA1 / SVA1-10



STA1 / SVA1-20/28



STA1 / SVA1-15



STA2 / SVA2-10/20/28



CABINET WATER SOFTENERS

CABINET WATER SOFTENERS STA SERIES (time timer)

| Code | Cabinet Water Softeners STA series |
|----------|---|
| STA1008E | Cabinet water softener STA1 08E chronometric 500 lt/h |
| STA1010 | Cabinet water softener STA1 10 chronometric 800 lt/h |
| STA1015 | Cabinet water softener STA1 15 chronometric 1000 lt/h |
| STA1020 | Cabinet water softener STA1 20 chronometric 1200 lt/h |
| STA1028 | Cabinet water softener STA1 28 chronometric 2000 lt/h |

CABINET WATER SOFTENERS SVA SERIES (volume timer)

| Code | Cabinet Water Softeners SVA series |
|----------|---|
| SVA1008E | Cabinet water softener SVA1 08E volumetric 500 lt/h |
| SVA1010 | Cabinet water softener SVA1 10 volumetric 800 lt/h |
| SVA1015 | Cabinet water softener SVA1 15 volumetric 1000 lt/h |
| SVA1020 | Cabinet water softener SVA1 20 volumetric 1200 lt/h |
| SVA1028 | Cabinet water softener SVA1 28 volumetric 2000 lt/h |

DUO BLOC WATER SOFTENERS

DUO BLOC WATER SOFTENERS STA SERIES (time timer)

| Code | Duo Bloc Water Softeners STA series |
|---------|--|
| STA2010 | Duo bloc water softener STA2 10 chronometric 800 lt/h |
| STA2020 | Duo bloc water softener STA2 20 chronometric 1200 lt/h |
| STA2028 | Duo bloc water softener STA2 28 chronometric 2000 lt/h |

DUO BLOC WATER SOFTENERS SVA SERIES (volume timer)

| Code | Duo Bloc Water Softeners SVA series |
|---------|--|
| SVA2010 | Duo bloc water softener SVA2 10 volumetric 800 lt/h |
| SVA2020 | Duo bloc water softener SVA2 20 volumetric 1200 lt/h |
| SVA2028 | Duo bloc water softener SVA2 28 volumetric 2000 lt/h |

DUO BLOC WATER SOFTENERS STA SERIES (time timer)

| Code | Duo Bloc Water Softeners STA series |
|---------|---|
| STA2040 | Duo bloc water softener STA2 40 chronometric 2700 lt/h |
| STA2050 | Duo bloc water softener STA2 50 chronometric 3000 lt/h |
| STA2070 | Duo bloc water softener STA2 70 chronometric 3500 lt/h |
| STA2100 | Duo bloc water softener STA2 100 chronometric 4000 lt/h |
| STA2130 | Duo bloc water softener STA2 130 chronometric 4500 lt/h |
| STA2150 | Duo bloc water softener STA2 150 chronometric 4500 lt/h |



STA2 / SVA2-40/50

DUO BLOC WATER SOFTENERS SVA SERIES (volume timer)

| Code | Duo Bloc Water Softeners SVA series |
|---------|---|
| SVA2040 | Duo bloc water softener SVA2 40 volumetric 2700 lt/h |
| SVA2050 | Duo bloc water softener SVA2 50 volumetric 3000 lt/h |
| SVA2070 | Duo bloc water softener SVA2 70 volumetric 3500 lt/h |
| SVA2100 | Duo bloc water softener SVA2 100 volumetric 4000 lt/h |
| SVA2130 | Duo bloc water softener SVA2 130 volumetric 4500 lt/h |
| SVA2150 | Duo bloc water softener SVA2 150 volumetric 4500 lt/h |



STA2 / SVA2-70

ACCESSORIES AND SPARE PARTS STA / SVA WATER SOFTENERS

| Code | Accessories and spare parts |
|-----------|--|
| STERIL001 | Kit chlorine generator for 255/268 Logix valve |
| FILCA001 | Filter housing 3P brass inserts Ø ¾" length 10" blue head and clear bowl |
| FILCA002 | Filter housing 3P brass inserts Ø 1" length 10" blue head and clear bowl |
| FILOT001 | Filter housing OTS Ø 1" length 10" brass head and clear bowl |
| CARFIL01 | Washable nylon mesh filter cartridge 60µ length 10" |
| CARFIL06 | Pleated stainless steel mesh filter cartridge 50µ length 10" |
| 28 | Filter cartridge Microfiber PP 5µ length 10" |
| 76-4 | Plastic wrench for disassembling filter housing mod. 3P |
| 76-5 | Metal wrench for disassembling filter housing mod. OTS |
| FIAUT010 | Self cleaning filter AP-PRO Ø 1" PN10 nylon mesh cartridge 89µ max flow rate 4 m³/h |
| FIAUT011 | Self cleaning filter AP-PRO Ø ¾" PN10 nylon mesh cartridge 89µ max flow rate 3,5 m³/h |
| FIAUT003 | Self cleaning filter MAXI Ø 1¼" M with stainless steel mesh cartridge 60µ length 10" brass head and clear bowl |
| CARFIL04 | Stainless steel mesh cartridge spare part for filter MAXI Ø 1¼" |
| BYPAS001 | Manual bypass kit Ø ¾" for valve 255 |
| BYPAS003 | Manual bypass kit Ø 1" for valve 255 |
| BYPAS002 | Manual bypass kit Ø 1" for valve 263/268 |
| 5006 | Economic Total Hardness test kit blister monoreagent 350 °F tests |
| 1015 | Total Hardness test kit Tit. 1 °F |
| SALGR025 | Dried sea salt, 25 kg. bag |
| SALPA025 | Pure salt tablets, 25 kg. bag |



STA2 / SVA2-100/130/150

