PROFESSIONAL WATER SOFTENERS

SVFD DUPLEX SERIES

SVFD SERIES
DUPLEX NON-STOP

WATER SUPPLY
WATER SOFTENERS
24h ON 24

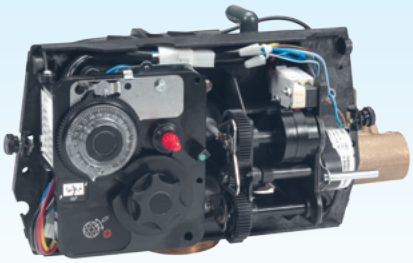
TIMER
ELECTROMECHANICAL
VOLUME
REGENERATION

EASY USE
MAXIMUM RELIABILITY

D.M. nr. 174 CONFORMITY April 6th 2004

Code	Duplex Water Softeners SVFD series
SVFD028	Duplex water softener SVFD 28 volumetric 2000 lt/h
SVFD040	Duplex water softener SVFD 40 volumetric 2700 lt/h
SVFD070	Duplex water softener SVFD 70 volumetric 3500 lt/h
SVFD100	Duplex water softener SVFD 100 volumetric 4000 lt/h
SVFD150	Duplex water softener SVFD 150 volumetric 4500 lt/h

Code	Accessories and spare parts
STERIL002	Kit chlorine generator universal model (without transformer)
AWDS500	Transformer socket 230-12V for electronic timer and chlorine generator
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 m^3/h
FIAUT003	Self cleaning filter MAXI Ø 1¼" M with stainless steel mesh cartridge 60µ length 10" brass head and clear bowl
1015	Total Hardness test kit Tit. 1 °F



VALVE 9000/1600

The water softeners SVFD "DUPLEX VOLUMETRIC" series, thanks to the supplied electromechanical timer mod. 1600 are automatically controlled water softeners. This type of water softeners is used for utilities with a very variable daily consumption, in cases where it is not possible to install a storage tank.

The system can supply softened water at continuous cycle without need of a break for the resins regeneration. This is possible thanks to two pressure wessel made of fibreglass, charged with strong cationic resin in sodium cycle that work in alternation, while one line is in cycle, the other is paused/regeneration. On reaching the set-point, the operating line automatically starts the regeneration cycle and alternates with the other line already regenerated which automatically enters in production.

In this type of water softeners the start of the regeneration takes place automatically when reaching the volume of softened water set on the electromechanical timer. Even in the absence of power supply the electromechanical timer continues to count the litres of softened water supplied by the unit.

MAIN CHARACTERISTICS

- Supply of softened water in a continuous cycle (without pause for regeneration).
- On timer continuous display of litres of softened water supplied.
- Automatic regeneration in volume, the water softener automatically starts the regeneration after all litres of water available are consumed.
- Possibility of programming the duration of the phases of regeneration and the volume of usable softened water between one regenerations and the other.
- 5-cycles centralised valve built in bronze with downflow regeneration system.

CONSTRUCTION COMPONENTS

AUTOMATISM: centralised valve mod. 9000 of horizontal type of five cycles with time control of the regeneration phases, built in bronze and reinforced Noryl with glass fibre.

TIMER: mod. 1600 electromechanical with volumetric control, capable of piloting automatically each working and regeneration phase of the water softener.

COUNTER: turbine litre-counter integrated in the centralised valve and complete with cable for the connection to the electromechanical timer.

RESINS TANK: pressure wessel built in non-toxic plastic material and externally reinforced with fibreglass, complete with upper and lower screen for the drainage of cationic resin load supplied in Na+ sodium cycle able to guarantee the cyclic and maximum flow rate.

SALT TANK: built of rigid polyethylene with high density and complete with separation grid, well, air-check brine valve Ø ⅜" intake pipes of the brine and overflow fitting Ø ½".

DUPLEX SVFD SERIES WATER SOFTENERS DIMENSIONS

MODEL	dimensions mm.					salt tank capacity	pressure wessel size	mod. valve	ø pipes	
	water softener			brine tank						
	L	D	H	L	H	lt.	VTR + PE	Fleck	in-out	discharge
SVFD 28	650	270	1100	380	790	85	10" x 35"	9000	1"	½"
SVFD 40	650	270	1560	500	800	140	10" x 54"	9000	1"	½"
SVFD 70	750	350	1600	500	800	140	13" x 54"	9000	1"	½"
SVFD 100	900	400	1900	500	1080	190	14" x 65"	9000	1"	½"
SVFD 150	1100	500	1900	635	1150	340	18" x 65"	9000	1"	½"

DUPLEX SVFD SERIES WATER SOFTENERS SPECIFICATIONS

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	m³/°F	Kg.	lt.
SVFD 28	2000	28	2 ÷ 6	230 / 50	160	5,7	300
SVFD 40	2700	40	2 ÷ 6	230 / 50	240	7,2	500
SVFD 70	3500	70	2 ÷ 6	230 / 50	420	12,6	900
SVFD 100	4000	100	2 ÷ 6	230 / 50	600	18	1200
SVFD 150	4500	150	2 ÷ 6	230 / 50	900	27	1700

STERIL002


FILCA002


CARFIL01


FILOT001


CARFIL06

28


FIAUT010


FIAUT003


CARFIL04


76-4


76-5