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SF WATER SOFTENERS



Water is considered "hard" if it contains a lot of calcium or magnesium dissolved in it. **Hard water** causes two problems: It can cause "scale" to form on the inside of pipes, water heaters, calorifiers, boiler, tea kettles and so on. The calcium and magnesium precipitate out of the water and stick to things. The scale doesn't conduct heat well and it also reduces the flow through pipes. Eventually, pipes and other equipment can become completely clogged.

Hardness also reacts with soap to form a sticky scum, and also reduces the soap's ability to lather. Since most of us like to wash with soap, hard water makes a bath or shower less productive. In laundries more soap will be required adding to the operating costs.

One of the solutions to hard water is to remove the calcium and magnesium, or to use a water softener. During normal operation calcium and magnesium ions are retained within the softener by the softening resin. These are then released to drain during the regeneration cycle, which involves soaking the softening resin in a stream of sodium ions obtained from a brine solution.

Our SF range of standard water softeners are manufactured using high quality GRP vessels and Pentair Autotrol Valves. Apart from our standard range we can manufacture different and much larger systems to suit your needs. Other valves including SAITA™, FLECK™, and ERIE™ are also available upon request.

CABINET TYPE		Capacity	Controls	Connection	Standard Valve	Dimensions
Model	Description	m ³ F ^o			Model	mm
SFC008T	8 ltr cabinet	40 - 50	Time	3/4" with mixer	GE 255/740	240 x 435 x 440
SFCD021T	21 ltr cabinet	100 - 120	Time	3/4" with mixer	GE 255/740	310 x 310 x 900
SFC021T	21 ltr cabinet	100 - 120	Time	3/4" with mixer	GE 255/740	320 x 500 x 1140

SIMPLEX		Capacity	Controls	Connection	Valve	Dia & height	Salt Tank
Model	Description	m ³ F ^o			Model	GRP vessel mm	Itrs
SFS033V	33ltr simplex	160-210	Volumetric	1" with mixer	GE 255/760	250 x 1100	140
SFS060V	60ltr simplex	300-380	Volumetric	1" with mixer	GE 255/760	300 x 1350	140
SFS100V	100ltr simplex	500-650	Volumetric	1" with mixer	GE 255/760	400 x 1300	340
SFS170V	170ltr simplex	850-1020	Volumetric	1" or 1 ¼ "	GE 278/762	490 x 1720	460
SFS220V	220ltr simplex	1100-1320	Volumetric	DN 63 or 2" BSP	GE 298/762	530 x 1720	670

DUPLEX		Capacity	Controls	Connection	Valve	Dia & height	Salt Tank
Model	Description	m ³ F ^o /vessel			Model	GRP vessel mm	Itrs
SFD60V	60+ 60ltr Duplex	300-380	Volumetric	1"including manifold	GE 255/764	300 x 1350	140
SFD100V	100+100ltr Duplex	500-650	Volumetric	1"including manifold	GE 255/764	400 x 1300	340
SFD170V	170+170ltr Duplex	850-1020	Volumetric	1" or 1 ¼ "	GE 278/764	490 x 1720	460
SFD220V	220+220ltr Duplex	1100-1320	Volumetric	DN 63 or 2" BSP	GE 298/764	530 x 1720	670

NOTES:

Highlighted items are normally available from stock.

Other sizes available upon request.

Maximum available mean capacity with GRP vessels is 12,000 m³F^o per vessel.

For further information contact **OUR** local agent or our manufacturing facility:

local agent

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Due to ongoing developments specifications are subject to change without notice.