

KF Series Commercial Softeners

SIEMENS

Siemens Water Technologies KF series commercial softeners offer customers an efficient and economical method for removing feedwater hardness. Softeners include a motorized, 5-cycle control valve that is quiet, efficient, and easy to program. KF softeners are available in simplex, duplex alternating, and twin alternating configurations. High capacity cation resin, gravel support bed and one brine tank with air check valve are included with each system.

Simplex Systems Feature:

- Single corrosion resistant fiberglass vessel
- One top-mount control valve with 7-day timeclock for regeneration
- Optional totalizing water meter for volume initiated regeneration
- One brine tank assembly

Duplex Systems Feature:

- Two corrosion resistant fiberglass vessels
- Two-top mount control valves
- One totalizing water meter integral to control valve for volume regeneration
- One brine tank assembly

Twin Systems Feature:

- Two corrosion resistant fiberglass vessels
- One top-mount control valve
- One totalizing water meter valve for volume initiated regeneration
- One brine tank assembly



Specifications

Tank Size D x H (in)	Available configurations			Pipe Size (in)	Application gpm(m ³ /hr)		Backwash Flow gpm(m ³ /hr)	Media Vol (ft ³)	Capacity @ 15lb./ft ³ (grains in 000's)
	Simplex KFZSS	Duplex KFZSD	Twin KFZST		Commercial* Service Flow	RO-Feed** Service Flow			
7 x 44	-	-	X	1.0	15 (3.4)	1.5 (0.3)	1.5 (0.3)	0.5	15
9 x 40	X	X	X	1.0	19 (4.3)	3.0 (0.7)	2.0 (0.5)	1.0	30
10 x 54	-	-	X	1.0	18 (4.1)	4.5 (1.0)	3.0 (0.7)	1.5	45
12 x 52	X	X	X	1.0 1.5	21 (4.8) 39 (8.9)	6.0 (1.4)	3.5 (0.8)	2.0	60
14 x 65	X	X	X	1.0 1.5	22 (5.0) 42 (9.5)	9.0 (2.0)	5.0 (1.1)	3.0	90
16 x 65	X	X	X	1.0 1.5	23 (5.2) 46 (10.4)	12 (2.7)	7.0 (1.6)	4.0	120
18 x 65	X	X	X	1.5 2.0	54 (12.3) 81 (18.4)	15 (3.4)	9.0 (2.0)	5.0	150
21 x 62	X	X	X	1.5 2.0	52 (11.8) 77 (17.5)	21 (4.8)	12 (2.7)	7.0	210
24 x 72	X	X	X	1.5 2.0	68 (15.4) 91 (20.7)	30 (6.8)	15 (3.4)	10	300
30 x 72	X	X	-	2.0 3.0	105 (23.8) 213 (48.4)	45 (10.2)	25 (5.7)	15	450
36 x 72	X	X	-	3.0	250 (56.8)	60 (13.6)	35 (7.9)	20	600
42 x 72	X	X	-	3.0	268 (60.9)	75 (17.0)	50 (11.4)	25	750
48 x 72	X	X	-	3.0	275 (62.5)	120 (27.3)	70 (15.9)	40	1200

* Flow is based on a differential pressure of <25 psid. Capacity is based on 10 gpg total hardness as CaCO₃ that is free of color, oil and turbidity.

**Maximum (RO pretreatment) flow rate calculated at 3 gpm/ft³.

Dimensions

Tank Size D x H (in)	Overall Dimensions* L x D x H (in)	Shipping Weight* lb (kg)	Salt Storage lb (kg)	Brine Tank D x H (in)		
				Simplex	Duplex	Twin
7 x 44	40 x 18 x 53	120 (55)	350 (159)	-	-	18 x 40
9 x 40	44 x 20 x 50	270 (123)	350 (159)	18 x 40	18 x 40	18 x 40
10 x 54	46 x 20 x 63	190 (86)	350 (159)	-	-	18 x 40
12 x 52	50 x 20 x 62	500 (227)	350 (159)	18 x 40	18 x 40	18 x 40
14 x 65	60 x 24 x 75	750 (341)	700 (318)	24 x 40	24 x 40	24 x 40
16 x 65	64 x 24 x 75	880 (400)	700 (318)	24 x 40	24 x 40	24 x 40
18 x 65	70 x 24 x 75	1220 (554)	700 (318)	24 x 40	24 x 54	24 x 54
21 x 62	74 x 24 x 80	1500 (681)	700 (318)	24 x 40	24 x 54	24 x 54
24 x 72	80 x 30 x 88	3100 (1407)	1000 (454)	24 x 54	24 x 54	24 x 54
30 x 72	124 x 40 x 92	3240 (1470)	1000 (454)	30 x 48	30 x 48	-
36 x 72	136 x 40 x 100	4100 (1860)	1800 (817)	39 x 48	39 x 48	-
42 x 72	148 x 50 x 112	4800 (2178)	3700 (1679)	42 x 60	42 x 60	-
48 x 72	172 x 50 x 112	6100 (2767)	3700 (1679)	50 x 60	50 x 60	-

*Approximate for duplex/twin configurations.

Design Parameters:

Configuration	Simplex, duplex, twin
Feed Water Temperature	45-100°F (7-38°C)
Feed Pressure	30-100 psig +/- 5 psig
Maximum Inlet Turbidity	5 NTU
Sizing	2 gpm/ft ³ minimum
Bed Depth	30 - 40" strong acid cation resin
Freeboard	53- 125%
Capacities	30 kgrains/ft ³
Regeneration	15 lbs. NaCl/ft ³

The information provided in this brochure contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

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