

# Water Softener Systems BS & BP

## Steel Tanks

- Exchanges “soft” sodium ions for “hard calcium and magnesium ions.
- BS—Model Range:  
30-3/4 through BS-1200-3, twin or single  
(30,000 grain at 8 GPM through 1,200,000 grain at 280 GPM).
- Available in alternating “twin” configuration with flow meter and VIP computer demand controller or “single” configuration with time clock regeneration. Alternating twin system may be run in parallel twin mode.
- Modular configuration to meet customer requirements for alternating system includes: resin tanks, resin, gravel, brine tank, control valve, blocking valves, flow meter and VIP computer demand controller.
- VIP computer demand controller standard.
- BS—Resin Tanks:  
Steel “polybond” lined and primed, pressure-tested to 100 psig, non-code stamped (code stamped resin tanks available).
- BP—Resin Tanks:  
Fiberglass reinforced polyester, pressure-tested, non-code stamped (code stamped resin tanks NOT available).
- Provided with industry standard 30,000 grain per cubic foot resin.
- Fleck control valve standard.
- BS—Skid mounting (pre-piped/pre-wired) available as option.
- BP—Skid mounting NOT available.



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Twin Drawing Number	Single Drawing Number	Model Type	Model Number	CAP. MAX. GRAINS (1,000)		Cu. Ft. per Tank	CONTINUOUS		PEAK		Drain Flow Max.	TANK DIMENSIONS		REGENERATION		
				Max.	Min.		GPM Flow	PSI Drop	GPM Flow	PSI Drop		Resin	Brine	Salt Cap. Lbs.	Max. Lbs.	Min. Lbs.
900225-1	900252-1	32Z	BS-30-.75	30	20	1	8	4	12	7	2	10 x 52	18 x 38	400	15	6
900225-3	900252-3	62A	BS-60-1	60	40	2	17	15	24	20	3	12 x 52	18 x 38	400	30	12
900225-4	900252-4	92A	BS-90-1	90	60	3	21	15	29	25	5	14 x 66	18 x 38	400	45	18
900226-1	900253-1	92B	BS-90-1.5	90	60	3	24	9	36	16	5	14 x 66	18 x 38	400	45	18
900226-2	900253-2	122B	BS-120-1.5	120	80	4	32	12	48	22	7	18 x 66	21 x 43	450	60	24
900226-3	900253-3	152B	BS-150-1.5	150	100	5	40	13	58	25	7	18 x 66	21 x 43	450	75	30
900226-4	900253-4	182B	BS-180-1.5	180	120	6	42	15	59	25	10	18 x 66	27 x 51	1000	90	36
900226-5	900253-5	212B	BS-210-1.5	210	140	7	45	15	60	25	10	24 x 66	27 x 51	1000	105	42
900226-6	900253-6	242B	BS-240-1.5	240	160	8	45	15	60	25	10	24 x 66	27 x 51	1000	120	48
900226-7	900253-7	272B	BS-270-1.5	270	180	9	45	15	60	25	10	24 x 66	27 x 51	1000	135	54
900226-8	900253-8	302B	BS-300-1.5	300	200	10	45	15	60	25	15	24 x 66	27 x 51	1000	150	60
900227-1	900254-1	122C	BS-120-2	120	80	4	32	7	48	12	15	18 x 66	27 x 51	450	60	24
900227-2	900254-2	152C	BS-150-2	150	100	5	40	6	60	11	15	18 x 66	27 x 51	450	75	30
900227-3	900254-3	182C	BS-180-2	180	120	6	48	9	72	15	15	18 x 66	27 x 51	1000	90	36
900227-4	900254-4	212C	BS-210-2	210	140	7	58	8	84	15	15	24 x 66	27 x 51	1000	105	42
900227-5	900254-5	242C	BS-240-2	240	160	8	64	11	96	20	15	24 x 66	27 x 51	1000	120	48
900227-6	900254-6	272C	BS-270-2	270	180	9	72	13	108	25	15	24 x 66	27 x 51	1000	135	54
900227-7	900254-7	302C	BS-300-2	300	200	10	78	15	108	25	15	24 x 66	27 x 51	1000	150	60
900227-8	900254-8	452C	BS-450-2	450	300	15	87	15	118	25	20	30 x 66	32 x 51	1500	225	90
900227-9	900254-9	602C	BS-600-2	600	400	20	94	15	125	25	25	36 x 71	42 x 51	2500	300	120
900228-1	900255-1	602E	BS-600-3	600	400	20	160	15	240	25	30	36 x 71	42 x 51	2500	300	120
900228-2	900255-2	902E	BS-900-3	900	600	30	200	15	270	25	40	42 x 71	42 x 51	2500	450	180
900228-3	900225-3	1202E	BS-1200-3	1200	800	40	210	15	280	25	50	48 x 71	52 x 60	4500	600	240

900245-1	900232-1	31Z	BP-30-.75	30	20	1	8	4	12	7	2	9 x 48	18 x 38	400	15	6
900245-3	900232-3	61A	BP-60-1	60	40	2	16	10	24	20	3	12 x 52	18 x 38	400	30	12
900245-4	900232-4	91A	BP-90-1	90	60	3	21	15	29	25	5	14 x 65	18 x 38	400	45	18
900246-1	900233-1	91B	BP-90-1.5	90	60	3	24	9	36	16	5	14 x 65	18 x 38	400	45	18
900246-2	900233-2	121B	BP-120-1.5	120	80	4	32	11	48	20	7	17 x 58	21 x 43	450	60	24
900246-3	900233-3	151B	BP-150-1.5	150	100	5	36	15	52	25	7	17 x 72	21 x 43	450	75	30
900246-4	900233-4	181B	BP-180-1.5	180	120	6	38	15	56	25	7	17 x 72	27 x 51	1000	90	36
900246-5	900233-5	211B	BP-210-1.5	210	140	7	45	15	60	25	15	24 x 71	27 x 51	1000	105	42
900246-6	900233-6	241B	BP-240-1.5	240	160	8	45	15	60	25	15	24 x 71	27 x 51	1000	120	48
900246-7	900233-7	271B	BP-270-1.5	270	180	9	45	15	60	25	15	24 x 71	27 x 51	1000	135	54
900246-8	900233-8	301B	BP-300-1.5	300	200	10	45	15	60	25	15	24 x 71	27 x 51	1000	150	60
900247-1	900234-1	121C	BP-120-2	120	80	4	32	6	48	10	7	17 x 58	21 x 43	450	60	24
900247-2	900234-2	151C	BP-150-2	150	100	5	40	10	60	16	7	17 x 72	21 x 43	450	75	30
900247-3	900234-3	181C	BP-180-2	180	120	6	48	9	72	23	7	17 x 72	27 x 51	1000	90	36
900247-4	900234-4	211C	BP-210-2	210	140	7	56	8	84	15	15	24 x 71	27 x 51	1000	105	42
900247-5	900234-5	241C	BP-240-2	240	160	8	64	11	96	20	15	24 x 71	27 x 51	1000	120	48
900247-6	900234-6	271C	BP-270-2	270	180	9	72	13	108	25	15	24 x 71	27 x 51	1000	135	54
900247-7	900234-7	301C	BP-300-2	300	200	10	78	15	108	25	15	24 x 71	27 x 51	1000	150	60
900247-8	900234-8	451C	BP-450-2	450	300	15	87	15	118	25	20	30 x 72	32 x 51	1500	225	90
900247-9	900234-9	601C	BP-600-2	600	400	20	94	15	125	25	25	36 x 72	42 x 51	2500	300	120
900248-1	900235-1	601E	BP-600-3	600	400	20	160	14	240	24	25	36 x 72	42 x 51	2500	300	120

NOTE: Some flow rates are shown at a rate less than the standard 15 PSI drop for continuous and 25 PSI drop for decreased softening capacity as these flows are exceeded.



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