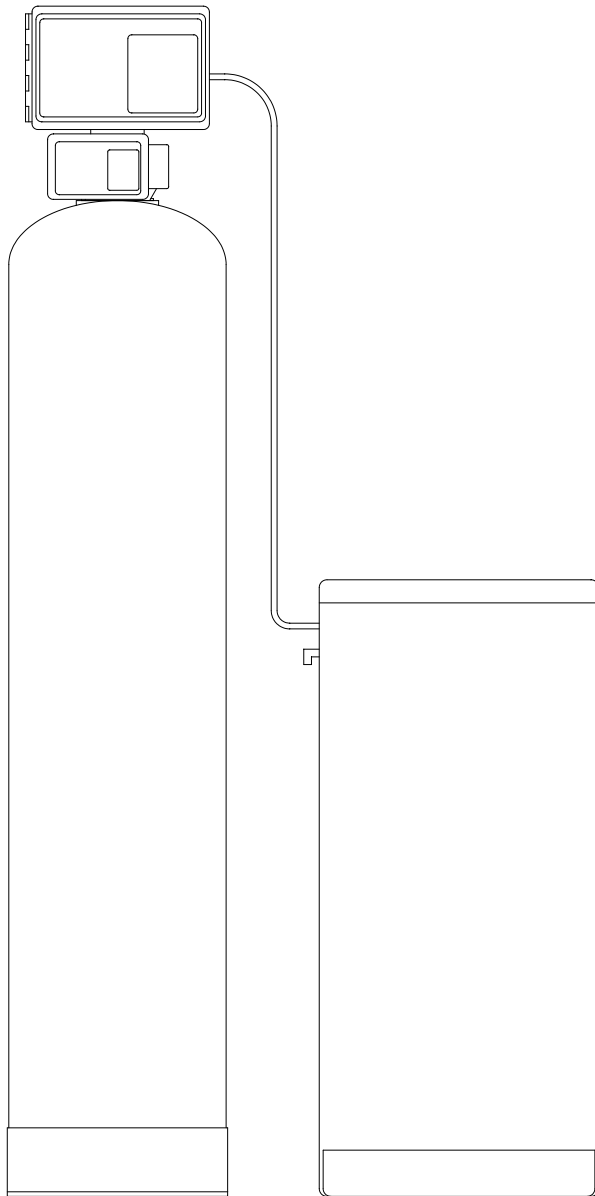


# WTA42 Series

## Water Softeners



*apartments / condos*  
*assisted living facilities*  
*boiler feed*  
*cafeterias*  
*casinos*  
*corporate campuses*  
*dairies*  
*educational facilities*  
*factories hospitals*  
*farms*  
*food service*  
*grocery*  
*hotel / motel*  
*institutions*  
*laundry*  
*restaurants*  
*reverse osmosis feed*  
*schools*  
*theme parks*  
*vehicle wash*

***Flow Rates up to 213 gpm Continuous, 277 gpm Peak***  
***Capacities from 30,000 to 1,200,000 grains per tank***

# WTA42 Series Features

- Top mounted solid brass control valve with motor driven pistons
- Five cycle valve for control of backwash, brine & rinse, fast rinse, brine refill and service
- High capacity virgin polystyrene resin
- Choice of single, twin or triple systems
- Corrosion resistant mineral tanks made from fiberglass reinforced polyester
- Corrosion resistant brine tanks with automatic control and optional salt shelf
- Automatic self-adjusting backwash flow control
- Optional headers and/or skid mounting

Model Number	Capacity		Pipe Size		Service Flow Rate		Backwash Flow Rate	Resin Volume	Tank Size		Salt Storage	Floor Space Requirements					Shipping Weight		
	Maximum (grains)	Minimum (grains)	Service	Drain	Continuous (gpm)	Peak (gpm)			Softener (dia x height)	Briner (dia x height)		Length			Width	Height	Single (lbs)	Twin (lbs)	Triple (lbs)
							Single	Twin			Triple								
WTA42-0030-10	30,000	20,000	1"	3/4"	15	19	2.0	1.0	9" x 48"	18" x 33"	320	33	45	57	18	55	90	168	246
WTA42-0060-10	60,000	40,000	1"	3/4"	18	25	3.5	2.0	12" x 52"	18" x 40"	270	36	51	66	18	60	152	288	424
WTA42-0060-15			1-1/2"	1"	28	39						36	51	66	18	60	158	300	442
WTA42-0090-10	90,000	60,000	1"	3/4"	18	25	5.0	3.0	14" x 65"	18" x 40"	310	38	55	72	18	72	236	456	676
WTA42-0090-15			1-1/2"	1"	30	42						38	55	72	18	72	242	468	694
WTA42-0090-20			2"	3/4"	39	55						38	55	72	18	77	256	496	736
WTA42-0120-10	120,000	80,000	1"	3/4"	19	25	6.0	4.0	16" x 65"	24" x 41"	550	46	65	84	24	72	416	706	996
WTA42-0120-15			1-1/2"	1"	33	45						46	65	84	24	72	422	718	1,014
WTA42-0120-20			2"	3/4"	46	63						46	65	84	24	77	436	746	1,056
WTA42-0150-10	150,000	100,000	1"	3/4"	20	26	8.0	5.0	18" x 65"	24" x 41"	500	48	69	90	24	74	512	898	1,284
WTA42-0150-15			1-1/2"	1"	38	51						48	69	90	24	74	518	910	1,302
WTA42-0150-20			2"	3/4"	62	82						48	69	90	24	80	532	938	1,344
WTA42-0180-10	180,000	120,000	1"	3/4"	20	27	12.0	6.0	21" x 62"	24" x 50"	640	51	75	99	24	74	623	1,117	1,611
WTA42-0180-15			1-1/2"	1"	38	51						51	75	99	24	74	629	1,129	1,629
WTA42-0180-20			2"	3/4"	63	84						51	75	99	24	79	643	1,157	1,671
WTA42-0210-10	210,000	140,000	1"	3/4"	19	26	12.0	7.0	21" x 62"	24" x 50"	590	51	75	99	24	74	674	1,219	1,764
WTA42-0210-15			1-1/2"	1"	38	52						51	75	99	24	74	680	1,231	1,782
WTA42-0210-20			2"	3/4"	61	82						51	75	99	24	79	694	1,259	1,824
WTA42-0240-10	240,000	160,000	1"	3/4"	22	30	15.0	8.0	24" x 72"	24" x 50"	550	54	81	108	24	81	814	1,499	2,184
WTA42-0240-15			1-1/2"	1"	42	57						54	81	108	24	81	820	1,511	2,202
WTA42-0240-20			2"	3/4"	74	101						54	81	108	24	87	834	1,539	2,244
WTA42-0240-30			3"	2"	120	164						54	81	108	24	90	894	1,659	2,424
WTA42-0270-10	270,000	180,000	1"	3/4"	21	29	15.0	9.0	24" x 72"	24" x 50"	510	54	81	108	24	81	865	1,601	2,337
WTA42-0270-15			1-1/2"	1"	41	56						54	81	108	24	81	871	1,613	2,355
WTA42-0270-20			2"	3/4"	71	97						54	81	108	24	87	885	1,641	2,397
WTA42-0270-30			3"	2"	117	160						54	81	108	24	90	945	1,761	2,577
WTA42-0300-10	300,000	200,000	1"	3/4"	19	26	15.0	10.0	24" x 72"	24" x 50"	460	54	81	108	24	81	916	1,703	2,490
WTA42-0300-15			1-1/2"	1"	40	55						54	81	108	24	81	922	1,715	2,508
WTA42-0300-20			2"	3/4"	68	93						54	81	108	24	87	936	1,743	2,550
WTA42-0300-30			3"	2"	114	155						54	81	108	24	90	996	1,863	2,730
WTA42-0450-15	450,000	300,000	1-1/2"	1"	44	58	25.0	15.0	30" x 72"	30" x 50"	760	66	99	132	30	93	1,477	2,745	4,013
WTA42-0450-20			2"	3/4"	83	110						66	99	132	30	98	1,491	2,773	4,055
WTA42-0450-30			3"	2"	155	204						66	99	132	30	101	1,551	2,893	4,235
WTA42-0600-20	600,000	400,000	2"	3/4"	87	114	35.0	20.0	36" x 72"	39" x 48"	1410	81	120	159	39	95	2,115	3,910	5,705
WTA42-0600-30			3"	2"	178	233						81	120	159	39	98	2,175	4,030	5,885
WTA42-0750-20	750,000	500,000	2"	3/4"	115	142	45.0	25.0	42" x 72"	39" x 60"	1810	87	132	177	39	107	3,019	5,705	8,391
WTA42-0750-30			3"	2"	193	260						87	132	177	39	110	3,079	5,825	8,571
WTA42-0900-20	900,000	600,000	2"	3/4"	105	152	45.0	30.0	42" x 72"	42" x 60"	2060	90	135	180	42	107	3,291	6,232	9,173
WTA42-0900-30			3"	2"	170	224						90	135	180	42	110	3,351	6,352	9,353
WTA42-1050-20	1,050,000	700,000	2"	3/4"	125	161	55.0	35.0	48" x 72"	50" x 60"	3250	104	155	206	50	104	4,111	7,709	11,307
WTA42-1050-30			3"	2"	213	277						104	155	206	50	107	4,171	7,829	11,487
WTA42-1200-20	1,200,000	800,000	2"	3/4"	120	143	55.0	40.0	48" x 72"	50" x 60"	3030	104	155	206	50	104	4,366	8,219	12,072
WTA42-1200-30			3"	2"	190	255						104	155	206	50	107	4,426	8,339	12,252

<sup>1</sup> Maximum Capacity based on 15# per Cubic Foot Salt Dosage

<sup>2</sup> Minimum Capacity based on 6# per Cubic Foot Salt Dosage

<sup>3</sup> Normal Continuous flow rate @ 15 psi Pressure Loss

<sup>4</sup> Intermittent Peak flow rate @ 25 psi Pressure Loss

## Operating Parameters

Pressure 30 ó 100 psig  
 Vacuum None  
 Temperature 40 ó 100 °F  
 Electrical 120V ó 60 Hz

- Tank warranty is void if subject to vacuum
- Consult factory for optional operating parameters



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