

Single Tank Metered Water Softeners



Capacities from 20,000 - 1,200,000 grains

15 - 280 gallons per minute

Single tank, On-Demand water softeners are designed and manufactured for outstanding service and economical salt usage. All brass control valve and stainless meter, composite mineral tank with polyethylene liner, polyethylene brine tank, and high-quality polystyrene resin are manufactured for reliable operation. Regenerations are initiated by a meter with fully adjustable controls. When the meter zeros out, the water softener is placed into regeneration. No hard water bypass and delay regeneration are available as an option. All wetted components NSF61 compliant.

ADVANCED **WATER** SOLUTIONS SINCE 1939



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Ohio 45404
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Product Information

Flow Rates between 15 – 20 gpm, 1", 1 to 4 cu ft, Fleck 2750 valve

Model Number	WS301-M	WS451-M	WS601-M	WS751-M	WS901-M	WS121-M
Max Capacity (grains)	30,000	45,000	60,000	75,000	90,000	120,000
Min Capacity (grains)	20,000	30,000	40,000	50,000	60,000	80,000
Resin (cubic feet)	1	1.5	2	2.5	3	4
Salt Req'd Max Capacity (lbs)	15	23	30	38	45	60
Salt Req'd Min Capacity (lbs)	6	9	12	15	18	24
Mineral Tank Size (inches)	10x40	10x54	12x52	13x54	14x65	16x65
Brine Tank Size (inches)	18x40	18x40	18x40	18x40	30x50	30x50
Salt Storage Capacity	380	380	380	380	1,720	1,720
Service Flow Rate (cont)(gpm)	15	16	18	19	19	20
Service Flow Rate (peak)(gpm)	20	22	24	25	26	27
Min Service Flow Rate (gpm)**	1	1.5	2	2.5	3	4
Drain Flow Rate (max)(gpm)	2.4	2.4	3.5	5	5	7
Valve Pipe Size	1"	1"	1"	1"	1"	1"
Meter Size	1"	1"	1"	1"	1"	1"

Standard Range Meter: 310 – 5,270 gallons Extended Range Meter: 1,550 – 26,350 gallons

Flow Rates between 33 – 40 gpm, 1 1/2", 4 to 10 cu ft, Fleck 2850 valve

Model Number	WS125-M	WS155-M	WS215-M	WS305-M
Max Capacity (grains)	120,000	150,000	210,000	300,000
Min Capacity (grains)	80,000	100,000	140,000	200,000
Resin (cubic feet)	4	5	7	10
Salt Req'd Max Capacity (lbs)	60	75	105	150
Salt Req'd Min Capacity (lbs)	24	30	42	60
Mineral Tank Size (inches)	16x65	18x65	21x62	24x72
Brine Tank Size (inches)	30x50	30x50	30x50	30x50
Salt Storage Capacity	1,720	1,720	1,720	1,720
Service Flow Rate (cont)(gpm)	33	35	39	40
Service Flow Rate (peak)(gpm)	45	48	52	54
Min Service Flow Rate (gpm)**	4	5	7	10
Drain Flow Rate (max)(gpm)	7	7	10	15
Valve Pipe Size	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Meter Size	1 1/2"	1 1/2"	1 1/2"	1 1/2"

Standard Range Meter: 310 – 5,270 gallons Extended Range Meter: 1,550 – 26,350 gallons

Flow Rates between 68 – 84 gpm, 2", 10 to 30 cu ft, Fleck 2900 & 3150 valves

Model Number	WS212-M	WS302-M	WS452-M	WS662-M	WS902-M
Max Capacity (grains)	210,000	300,000	450,000	660,000	900,000
Min Capacity (grains)	140,000	200,000	300,000	440,000	600,000
Resin (cubic feet)	7	10	15	22	30
Salt Req'd Max Capacity (lbs)	105	150	225	330	450
Salt Req'd Min Capacity (lbs)	42	60	90	132	180
Mineral Tank Size (inches)	21x62	24x72	30x72	36x72	42x72
Brine Tank Size (inches)	30x50	30x50	30x50	50x60	50x60
Salt Storage Capacity	1,720	1,720	1,720	4,500	4,500
Service Flow Rate (cont)(gpm)	60	68	84	78	84
Service Flow Rate (peak)(gpm)	77	91	105	107	118
Min Service Flow Rate (gpm)**	5	10	15	22	30
Drain Flow Rate (max)(gpm)	10	15	25	35	50
Valve Pipe Size	2"	2"	2"	2"	2"
Meter Size	2"	2"	2"	2"	2"

Standard Range Meter: 1,250 – 21,250 gals. Extended Range Meter: 6,250 – 106,250 gals.

Flow Rates between 185 – 213 gpm, 3", 22 to 40 cu ft, Fleck 3900 valve

Model Number	WS663-M	WS903-M	WS123-M
Max Capacity (grains)	660,000	900,000	1,200,000
Min Capacity (grains)	440,000	600,000	800,000
Resin (cubic feet)	22	30	40
Salt Req'd Max Capacity (lbs)	330	450	600
Salt Req'd Min Capacity (lbs)	132	180	240
Mineral Tank Size (inches)	36x72	42x72	48x72
Brine Tank Size (inches)	50x60	50x60	50x60
Salt Storage Capacity	4,500	4,500	4,500
Service Flow Rate (cont)(gpm)	185	200	213
Service Flow Rate (peak)(gpm)	250	268	280
Min Service Flow Rate (gpm)**	22	30	40
Drain Flow Rate (max)(gpm)	35	50	70
Valve Pipe Size	3"	3"	3"
Meter Size	3"	3"	3"

Standard Range Meter: 3,750 – 63,750 gals. Extended Range Meter: 18,750 – 318,750 gals.

**NOTE: Hardness breakthrough may result if minimum flow rates are not met.



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