

Satin Series

APPLICATION GUIDE

Highly efficient water conditioning

Master Water's Satin Series softens water while protecting appliances and fixtures from hard water mineral deposits. Needing less water to drain, these efficient water softeners reduce scale while improving flow in pipes, require low salt usage and are capable of high capacity with a small footprint.

Water Issue: Hardness, Iron/Manganese, Lead, Copper, Radium₁

LESS WATER TO DRAIN

Model Number	Gallons to Drain
MP-MCA-30T	41.64 Gallons
MP-MCA-45T	45.6 Gallons
MP-MCA-60T	59.56 Gallons

HIGHER SERVICE FLOW

Model Number	Rated Flow Rate
MP-MCA-30T	16.8 GPM
MP-MCA-45T	15.5 GPM
MP-MCA-60T	17.3 GPM

HIGHER EFFICIENCY

Model Number	Capacity @ 4322 grains
MP-MCA-30T	19,400 gr @ 4.5 lbs
MP-MCA-45T	29,200 gr @ 6.75 lbs
MP-MCA-60T	38,900 gr @ 9 lbs

₁ Water Softeners are certified for hardness removal only.

Product Versions	Mineral Tank Size	Brine Tank Size	Backwash Flow	Service Flow
MP-MCA-30T	10" x 40"	18" x 33"	1.7	16.8
MP-MCA-45T	10" x 54"	18" x 40"	1.7	15.5
MP-MCA-60T	12" x 48"	18" x 40"	2.7	17.3
RS-MCA-30T	10" x 40"	18" x 33"	1.7	16.8
RS-MCA-45T	10" x 54"	18" x 40"	1.7	15.5
RS-MCA-60T	12" x 48"	18" x 40"	2.7	17.3
MP2-MCA-30T	10" x 40"	18" x 33"	1.7	33.6
MP2-MCA-45T	10" x 54"	18" x 40"	1.7	31.0
MP2-MCA-60T	12" x 48"	18" x 40"	2.7	34.6



MP

DUPLEX

Our systems are available in the following configurations:

- MP (Single Tank) Standard high efficiency model
- RS (Twin Alternating) 24/7 treated water, treated water regeneration, no wasted capacity
- MP2 (Parallel Units) 24/7 treated water, treated water regeneration, twice the flow

Options available on all configurations:

- Brine Recovery
- Separate Source Regeneration
- Feed Pump Operation



Product tested and certified by WQA to meet the requirement of NSF/ANSI 44

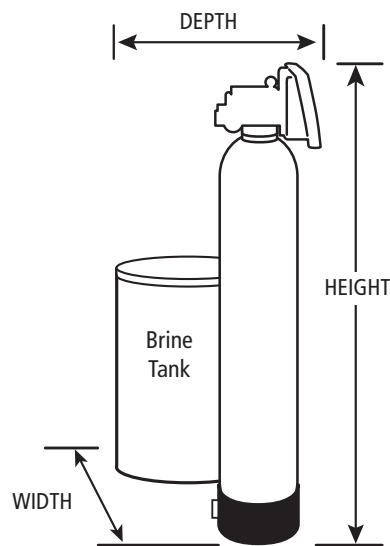
Satin Series

APPLICATION GUIDE

1. Will the Satin Series Water Softener fit within the allocated space in my home?

Check table for space required

2. Will the Satin Series Water softener meet my flow demand?



SATIN SERIES SYSTEMS	MP/RS/MP2-MCA-30T	MP/RS/MP2-MCA-45T	MP/RS/MP2-MCA-60T
Efficiency Salt Setting Limits for ≤ 5 People	<1 ppm Iron (Fe) <0.25 ppm Manganese (Mn) <13 gpg Hardness salt setting @ 4.5 lbs	<1 ppm Iron (Fe) <0.25 ppm Manganese (Mn) <22 gpg Hardness salt setting @ 6.75 lbs	<1 ppm Iron (Fe) <0.25 ppm Manganese (Mn) <31 gpg Hardness salt setting @ 9 lbs
High Salt Setting Limits for ≤ 5 People	<5 ppm Iron (Fe) <1 ppm Manganese (Mn) <13 gpg Hardness salt setting @ 15 lbs	<5 ppm Iron (Fe) <1 ppm Manganese (Mn) <28 gpg Hardness salt setting @ 22.5 lbs	<5 ppm Iron (Fe) <1 ppm Manganese (Mn) <43 gpg Hardness salt setting @ 30 lbs
Service Flow Capability	16.8 gpm MP/RS-MCA-30T 33.6 gpm MP2-MCA-30T	15.5 gpm MP/RS-MCA-45T 31 gpm MP2-MCA-45T	17.3 gpm MP/RS-MCA-60T 34.6 gpm MP2-MCA-60T
Capacity	19,400 gr @ 4.5 lbs salt 33,700 gr @ 15 lbs salt	29,200 gr @ 6.75 lbs salt 50,500 gr @ 22.5 lbs salt	38,900 gr @ 9 lbs salt 67,400 gr @ 30 lbs salt
Total Dimensions	MP-MCA-30T 31"W x 19"D x 48"H RS-MCA-30T 44"W x 19"D x 48"H MP2-MCA-30T 65"W x 19"D x 48"H	MP-MCA-45T 31"W x 19"D x 62"H RS-MCA-45T 44"W x 19"D x 62"H MP2-MCA-45T 65"W x 19"D x 62"H	MP-MCA-60T 33"W x 19"D x 56"H RS-MCA-60T 48"W x 19"D x 56"H MP2-MCA-60T 69"W x 19"D x 56"H

If above parameters cannot be used to determine a system, contact Master Water Conditioning.

Systems:

MP – Provides treated water except during regeneration.

RS – Provides continuous treated water and treated water cleaning. One unit is "On Line" while the second unit is in "Standby".

MP2 – Provides double the flowrate of a single tank system, continuous treated water and treated water cleaning. Both units are always "On Line" except during a regeneration.

Options:

Brine Recovery – Saves salt which would normally go to drain.

Separate Source – System can regenerate with water from a separate source.

Feed Pump – Compatible metered feed pump operation without an external meter.

- Local conditions can influence system performance
- Water must be clear when drawn
- Water Softeners are certified for hardness removal only



www.masterwater.com