APPLICATION: Water Softening, Whole House Water Softening and Scale Reduction

Soft water can reduce energy costs and detergent use; and help maintain appliance efficiency[1]

The 3M™ Water Softener Series of products treat water as it enters your home, helping protect the entire plumbing system by reducing Water Hardness, Barium, Radium, Iron and Manganese.[2] Prevent hard water scale from shortening the life of your appliances, restricting water flow in your plumbing, and staining your bathroom fixtures. Benefits include brighter clothing, cleaner dishes, less detergent consumption and less water usage.

Each system includes a state of-the-art valve that allows monitoring and control for every function and cycle. Reduces water usage by metering use and regenerating only when necessary. The proprietary multilevel salt support traps dirt (sediment) and debris away from the brine draw area, allowing the use of different salt types and reduces potential maintenance due to dirt loading.

1" MODELS:
3MWTS100 • 3MWTS150 • 3MWTS200

1.25" MODELS:
3MWTS150-125 • 3MWTS200-125 • 3MWTS300-125

PRODUCT BENEFITS:

- Featuring reserve capacity innovation: 3M Water Softeners use variable reserve logic to optimize regeneration cycles by evaluating past use, conserving water, salt and energy, which saves money.
- Commercial Grade, premium resin media for the most challenging softening applications.
- A resin re-circulator lifts and transfers resin from the bottom to the top of the tank, creating a scrubbing action between resin beads, which extends the life of the media and promotes more efficient regeneration.
- Solid tank design combines high density polyethylene with composite fiberglass winding strength; plastic will not rust or corrode.
- Superior performance salt tank featuring a durable design which provides virtually trouble-free operation. Includes a proprietary salt shelf.

PRODUCT SPECIFICATIONS:

Model/Part Number	Maximum Operating Temperature	Operating Pressure	Electrical Requirements	Valve Size	Media Size (cu ft.)	Media Tank (D x H)	Salt Tank (W x D x H)	Minimum Space Requirements*		
								Width (A)	Height (B)	Depth (C)
3MWTS100	110°F (43.3°C)	20 - 125 psi (138 - 862 kPa)	110/120V, 60Hz	1.0" NPT	1.0	8" x 44" (21 x 112 cm)	15" x 15" x 34" (38 x 38 x 87 cm)	33" (84 cm)	53" (135 cm)	15" (39 cm)
3MWTS150	110°F (43.3°C)	20 - 125 psi (138 - 862 kPa)	110/120V, 60Hz	1.0" NPT	1.5	10" x 44" (26 x 112 cm)	15" x 15" x 34" (38 x 38 x 87 cm)	35" (89 cm)	53" (135 cm)	15" (39 cm)
3MWTS200	110°F (43.3°C)	20 - 125 psi (138 - 862 kPa)	110/120V, 60Hz	1.0" NPT	2.0	12" x 52" (31 x 132 cm)	15" x 15" x 34" (38 x 38 x 87 cm)	37" (94 cm)	61" (155 cm)	15" (39 cm)
3MWTS150-125	110°F (43.3°C)	20 - 125 psi (138 - 862 kPa)	110/120V, 60Hz	1.25" NPT	1.5	10" x 44" (26 x 112 cm)	15" x 15" x 34" (38 x 38 x 87 cm)	35" (89 cm)	53" (135 cm)	15" (39 cm)
3MWTS200-125	110°F (43.3°C)	20 - 125 psi (138 - 862 kPa)	110/120V, 60Hz	1.25" NPT	2.0	12" x 52" (31 x 132 cm)	15" x 15" x 34" (38 x 38 x 87 cm)	37" (94 cm)	61" (155 cm)	15" (39 cm)
3MWTS300-125	110°F (43.3°C)	20 - 125 psi (138 - 862 kPa)	110/120V, 60Hz	1.25" NPT	3.0	14" x 65 (36 x 165 cm)	18" x 33" round (46 cm x 84 cm)	42" (107 cm)	74" (188 cm)	18" (46 cm)

[1] Based on the Water Quality Research Foundation 2010-2012 Battelle Study.
[2] 3M Water Softeners are designed to reduce hardness, barium, and radium, but can handle reasonable amounts of soluble iron and soluble manganese if consideration is given to selecting model and regeneration settings.
*** Please refer to diagram on back of specification sheet**

1" MODELS:
3MWTS100 • 3MWTS150 • 3MWTS200

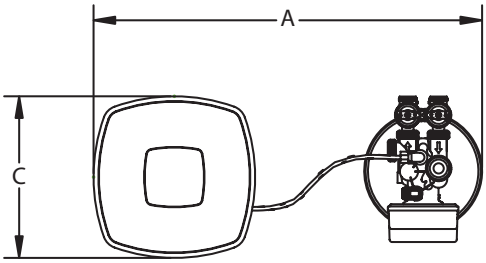
1.25" MODELS:
3MWTS150-125 • 3MWTS200-125 • 3MWTS300-125

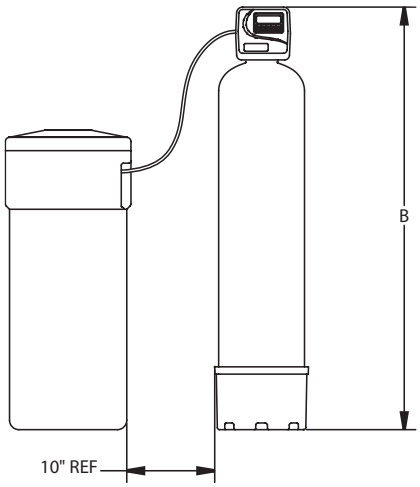
INSTALLATION DIFFICULTY

Skills Needed: (Please refer to installation difficulty chart on website for additional information)

- Professional installation required

Dimensions can be found in Product Specifications Table on reverse side.
(Note: 3 cubic foot systems utilize a round salt tank.)





The 3MWTS Series softeners are tested and certified by WQA against NSF/ANSI 372, CSA B483.1, and NSF/ANSI Standard 44 with an efficiency rating for water hardness, barium, and radium reduction.

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SPECIFICATIONS

Category	1" Models		
	3MWTS100	3MWTS150	3MWTS200
Media Size cu ft. (liters)	1.0 (28)	1.5 (42)	2.0 (57)
Salt Dosage * lbs. (kg)	4 (1.81) 6.0 (2.72) 16 (7.26)	6.0 (2.72) 9.0 (4.08) 16.0 (17.26	8.0 (3.63) 12.0 (5.44) 24.0 (10.89
Salt Efficiency	4,000	4,000	4,200
Softening Capacity** (grains)	16,150 20,600 28,100	24,000 30,650 40,300	33,750 46,150 59,100
Service Flow Rate (lpm) @ 15 PSID	8.9 gpm (33.6)	11.1 gpm (42.0)	15.3 gpm (57.9)
	1.25" Models		
	3MWTS150-125	3MWTS200-125	3MWTS300-125
Media Size cu ft. (liters)	1.5 (42)	2.0 (57)	3.0 (85)
Salt Dosage * lbs. (kg)	6.0 (2.72) 9.0 (4.08) 16.0 (7.26	8.0 (3.63) 12.0 (5.44) 24.0 (10.89	12.0 (5.44) 18.0 (8.16) 36.0 (16.33)
Salt Efficiency	4,200	4,200	4,200
Softening Capacity** (grains)	24,000 30,650 40,300	33,750 46,150 59,100	50,950 69,700 89,250
Service Flow Rate (lpm) @ 15 PSID	12.6 gpm (47.7)	16.3 gpm (61.7)	17.5 gpm

* Salt Dosage: Top row indicates salt efficient setting, second row indicates factory setting and third row indicates maximum setting with the supplied brine tank

**Softening Capacity: Top row indicates salt efficient setting, second row indicates factory salt setting and third row indicates maximum salt setting with the supplied brine tank

NOTE: These softeners meet or exceed California Salt Efficiency requirements when salt dose is set at the salt efficient setting. Efficiency claim is only valid at the salt efficiency setting.

IMPORTANT

⚠ **WARNING: Read entire manual. Failure to follow all guides and rules could cause personal injury or property damage.**

- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the Water Treatment system.
- Your Water treatment system will withstand up to 125 pounds per square inch (psi) water pressure. If your house water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the Water Filtration system.

To reduce the risk associated with the ingestion of contaminants:

- DO NOT use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTICE: To reduce the risk associated with water leakage or flooding:

- **Read and follow** Use Instructions before installation and use of this s ystem.

3M recommends regularly scheduled maintenance and replacement of the resin media in order for the product to perform as advertised. Contact your 3M Authorized Water Dealer for service and support. 3M Purification Inc. shall not be liable for system failures due to improper maintenance.

LIMITED WARRANTY

3M Purification Inc. warrants this Product will be free from defects in material and manufacture for the following periods from the date of purchase.

- Ten (10) years on the filter tank
- Ten (10) years on the brine tank
- Five (5) years on the valve body
- Five (5) years on the electronics
- Five (5) years on the resin media

This warranty does not cover failures resulting from abuse, misuse, alteration or damage not caused by 3M Purification Inc. or failure to follow installation and use instructions. No warranty is given as to the service life of any filter cartridge, as it will vary with local water conditions and water consumption. **3M Purification Inc. MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOMER OR USAGE OF TRADE.** If the Product fails to satisfy this Limited Warranty during the warranty period, 3M will replace the Product or refund your Product purchase price. This warranty does not cover labor. **The remedy stated in this paragraph is Customer's sole remedy and 3M Purification Inc.'s exclusive obligation. For additional information, see the entire Limited Warranty located in the product Installation and Operating Instruction Manual.**

Limitation of Liability. 3M Purification Inc. will not be liable for any loss or damage arising from this 3M Purification Inc. product, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability. Some states and countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

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The 3M Water Softeners are made in the USA with Globally sourced components.