

Multi-Pure

Whole House Water Treatment System

Installation, Operation and Maintenance Manual

Multi-Pure Model TO30000



Warning

Please read manual carefully before proceeding with installation.
**It is recommended that the Multi-Pure TO30000 Water Treatment System
be installed by a professional plumber.**

Save Manual for future reference.

Thank you for your purchase of Multi-Pure's Model TO30000 Whole House Water Treatment System. The TO30000 System is designed to aesthetically improve the quality of the water used throughout your entire home. With proper installation and maintenance, this system will provide you with better water for years to come. If you have any questions or concerns, please contact our Customer Service Department at 1-800-622-9206 or email custsvc@multipure.com.

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MULTI-PURE CORPORATION WARRANTY - Model TO30000

MULTI-PURE 90-DAY GUARANTEE:

Multi-Pure demonstrates its confidence in the performance of the Multi-Pure Water Treatment System, Model No. TO30000 by offering its 90 day money-back guarantee. If you should find the Water Treatment System unsatisfactory, let us know within thirty days of purchase, and we will promptly exchange it or refund your money.

MULTI-PURE WARRANTY:

Multi-Pure Corporation warrants to the original retail customer its TO30000 Water Treatment System to be free of defects in material and workmanship for use under normal care, and will repair or replace any Housing System at no charge (excluding transportation to Multi-Pure headquarters) to the customer for a lifetime (provided that the filters have been changed at least once per year). All exterior attachments to the TO30000 are also warranted for defects in material and workmanship for one year.

Multi-Pure Filters (cartridges) are warranted for defects in material and workmanship for use under normal care. For optimum performance, filter cartridges require periodic replacement dependent upon use and local water conditions; therefore, it is recommended that filters be replaced at least once every six months or sooner if needed.

EXCEPT AS OTHERWISE EXPRESSLY PROVIDED ABOVE, MULTI-PURE CORPORATION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, TO ANY PERSON. THIS LIMITED WARRANTY MAY NOT BE ALTERED, VARIED OR EXTENDED EXCEPT BY A WRITTEN INSTRUMENT EXECUTED BY MULTI-PURE CORPORATION. THE REMEDY OF REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS LIMITED WARRANTY IS EXCLUSIVE. IN NO EVENT SHALL MULTI-PURE CORPORATION BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES TO ANY PERSON WHETHER OCCASIONED BY NEGLIGENCE OF THE MANUFACTURER, INCLUDING WITHOUT LIMITATION DAMAGES FOR LOSS OF USE, COST OF SUBSTITUTION, PROPERTY DAMAGE, OR OTHER MONETARY LOSS.

Multi-Pure Model TO30000 Water Treatment System

Installation Overview & Part List

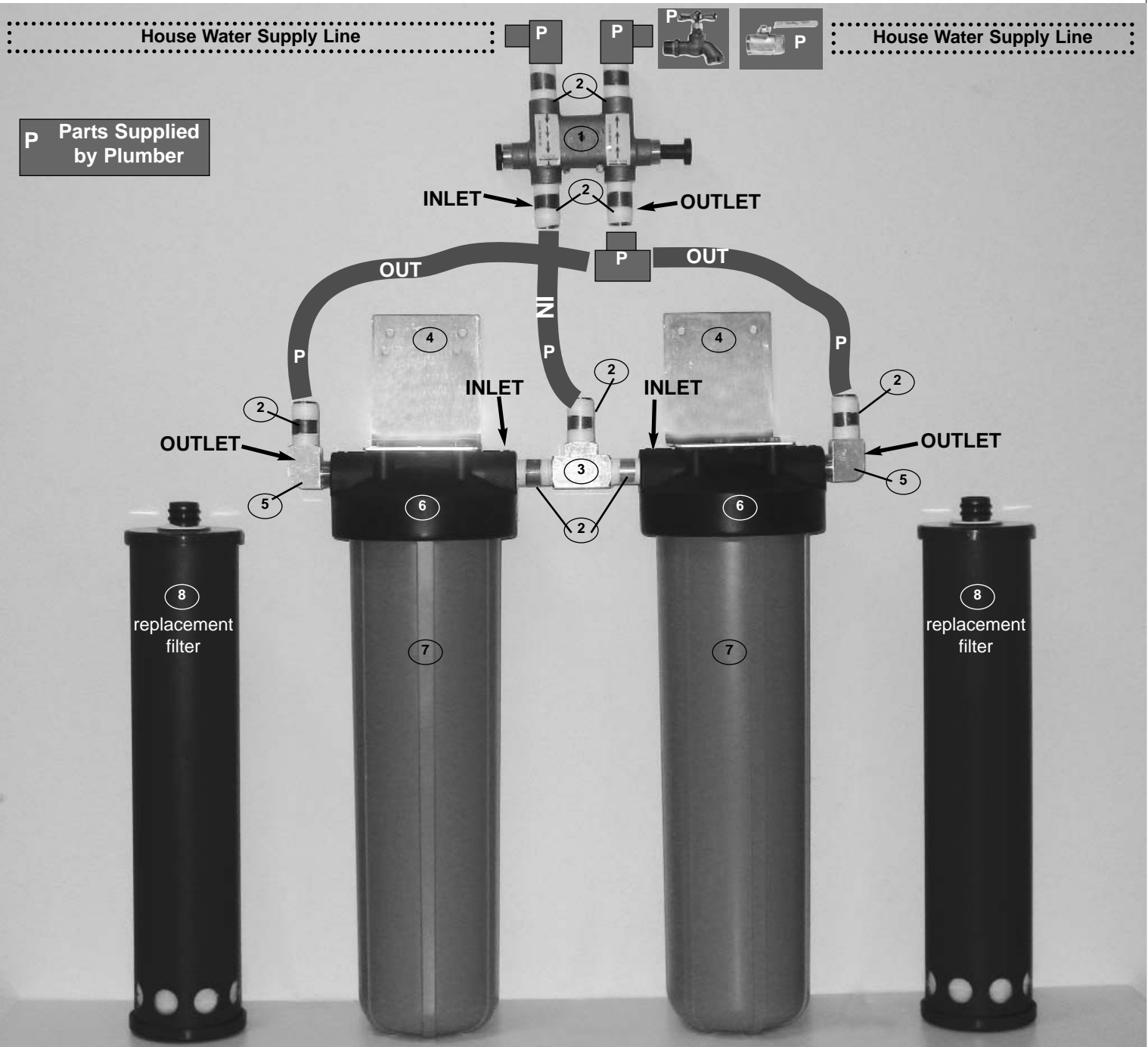
It is recommended that the TO30000 be installed by a licensed, professional plumber.

Item #	Description	Part No.
1	Bypass Valve	MC185MM
2	3/4 x 3/4 Male Nipple	MC256MM
3	3/4 x 3/4 x 3/4 Female Tee	MC147MM
4	Bracket	MC128MM
5	3/4M x 3/4F Elbow	MC146MM
6	Housing Lid with 3/4" inlet/outlet ports	MCL30000
7	Housing Bottom	MCB15000
8	Replacement Filter	TO20
9	Hand tool (not shown)	MC259
10	O-ring (not shown - goes inside mouth of housing bottom)	MC258

All other components must be supplied by purchaser or plumber

NOTE:

The materials, location, and configuration of the House Water Supply Line in your home may vary. The type of piping / connectors to use to connect to your House Water Supply Line should be determined by a professional plumber. SEE PAGE 7 FOR A PHOTO OF AN ACTUAL INSTALLATION.



Operational Parameters

TO30000 Specifications	
Housing Composition	High Impact Polypropylene Plastic
Rubber Items	Buna N & Paracryl
Inlet	3/4"
Outlet	3/4"
Replacement Filter	Model TO20
Filter Cartridge size	4 9/16" x 20"
Filter Cartridge weight	5 lbs 12 oz
Approximate Capacity	30,000 Gallons*
Approx. Flow Rate	6.5 gpm @ 60 psi
Max. Water Pressure	90 psi max/30 psi min
Weight (Basic Unit)	12 lbs. per canister
Height	23 1/2 inches
Body diameter	7 5/16 inches

* The life of the filters will vary depending on the amount of water used and the level of particulate matter in the water processed. It is recommended that the filters be replaced at an interval of every three to six months.

General Operating Instructions

- ✓ The TO30000 Whole House System is designed to be most effective on municipally treated water.
- ✓ For cold water use only.
- ✓ Maximum water pressure is 90 psi.
- ✓ The housing (units) operate in an upright position. For ease of changing filters, please leave at least a 4 inch (4") clearance at the bottom of the housing (between the housing bottom and the floor).
- ✓ The TO30000 must be protected from freezing. Do not allow water to freeze in the units. If units are exposed to freezing temperatures, drain water from units and remove the filters.
- ✓ Do not allow water to sit in units for extended periods of time (10 or more days) without being used. If units are left unused for more than 10 days, drain all water from systems and remove the filters. In the event water does sit in the units for 10 or more days, the systems should be flushed by allowing water to flow to waste for about 5 minutes. It is always advisable to flush all of the water pipes in your home whenever water has been standing in the pipes for an extended period of time.
- ✓ If your water has a noticeable amount of large particulate matter (sand, dirt, leaves, etc.), it is recommended that a Sediment Filter (purchased separately) be installed before the TO30000, which would extend the useful life of the TO20 replacement filter (cartridge) for the TO30000.
- ✓ The TO30000 Whole House unit uses filter Model No. TO20. The life of the filters will vary depending on the amount of water used and the level of particulate matter in the water processed. Replace the filter cartridges when the flow rate diminishes, the filters become saturated with bad tastes and odors, or about every three to six months.

IMPORTANT NOTICE

The installation of a Whole House Water Treatment System will cause a reduction in the water flow rate or pressure. Flow rate/pressure drop will vary depending upon the size of pipe in your home, the number of fittings and outlets, the height to which the water must be delivered, etc.

You will see a noticeable water pressure drop if multiple outlets (toilets, showers, dishwashers, etc.) are open (in use) at the same time.

Installation Guidelines

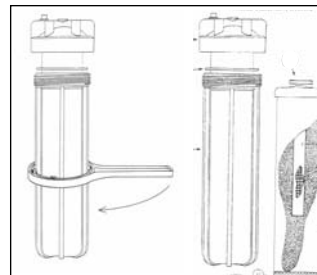
IT IS RECOMMENDED THAT THE TO30000 WATER TREATMENT SYSTEM BE INSTALLED BY A PROFESSIONAL PLUMBER.

The following are guidelines for installing the TO30000 to the main water supply line for the whole house with the use of the bypass valve kit. Please refer to the Installation Overview on page 3. Reference numbers in instructions are to the drawing item numbers.

NOTE: The two units should be installed in parallel so that the water flows through both units simultaneously.

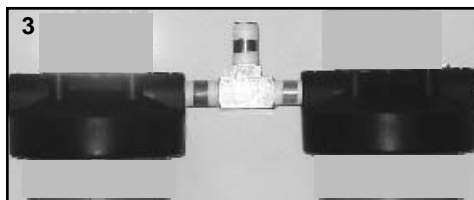
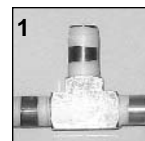
A. Prepare the two TO30000 housings for installation (part I):

1. Open the two housings, using the handtool if necessary.
2. Remove the housing bottom and filter from the lids.

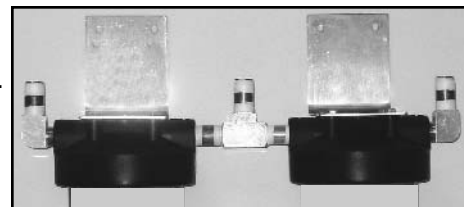


B. Prepare the TEE CONNECTION:

1. Assemble the TEE CONNECTION that goes between the two housings by attaching one 3/4 x 3/4 Male Nipple (#2) to each port on the 3/4 x 3/4 x 3/4 Female TEE (#3). Turn each nipple until snug.
2. Screw the assembled TEE connection onto one housing lid by inserting one of the side nipples into the INLET port of the housing lid.
3. Then connect the second housing lid to the TEE connection assembly by screwing the INLET port of that housing lid onto the second side nipple.

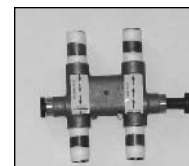


4. Attached the 3/4M x 3/4F Elbow (#5) to the OUTLET ports on both lids. Turn until snug, but be sure the elbow port is in an upright position.
5. Connect a 3/4 x 3/4 Male Nipple (#2) to each OUTLET elbow. Turn until tight.
6. Attach the brackets (#4) to each housing lid.
7. Then mount the brackets (with lids attached) to a wall or post as close to the Bypass Valve as possible (see D below). **NOTE: Allow at least a 4" clearance at the bottom for changing the filters (cartridges).**



C. Prepare the Bypass Valve (#1) for installation:

1. Attach one 3/4 x 3/4 Male Nipple (#2) to each port on the Bypass Valve (a total of 4 nipples). Turn until tight.

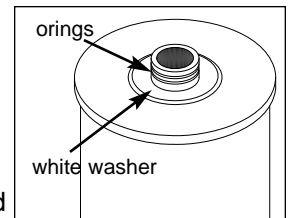


D. Prepare the house plumbing for installation (parts supplied by plumber - see Installation Overview on page 3):

1. Locate the main water supply line that supplies all water going into the house.
2. Shut off water to the house. Close all faucets in the house to avoid backflow of the water.
3. Disconnect or sever the water line (if a pressure regulator is installed, make the connection after the regulator.)
4. Install the necessary plumbing to enable you to connect the Bypass Valve (#1) to the water supply line and to the two TO30000 units.
5. Install a hose bibb faucet (for **flushing**) and shut-off valve between the outflowing port of the bypass valve and the house water supply line. This will make **flushing** the unit during installation and filter changes more convenient.
6. Attach the **outflowing** water line to the 3/4" **OUTFLOWING** port of the Bypass Valve.
7. Attach the **inflowing** water line to the 3/4" **INFLOWING** port of the Bypass Valve.
8. Attach an **inflowing** connector line from the Bypass Valve INFLOWING port (marked "TO FILTER" to the TEE ASSEMBLY (see B above) previously connected to the TO30000 units INLET ports.
9. Connect a tee (not included with unit) to the OUTFLOWING port (marked "FROM FILTER") of the Bypass Valve.
10. Attach connectors from each TO30000 OUTLET port to the tee (see D9 above) previously attached to the Bypass Valve OUTFLOWING port.

E. Prepare the two TO30000 housings for installation part II):

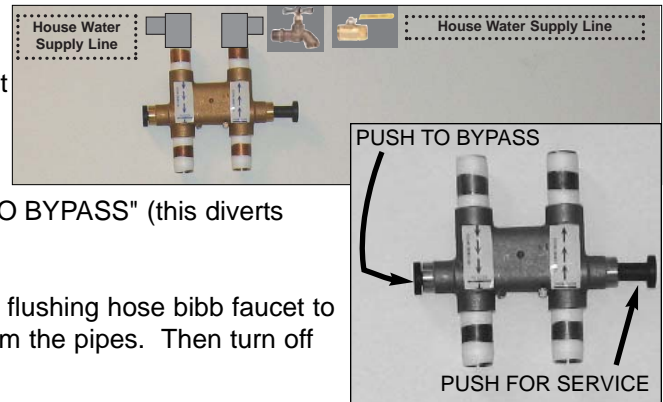
1. Check each filter cartridge to:
 - a. Confirm that the white rubber washer is in the groove around the filter nipple (top of filter) and that the two black orings are in place on the nipple.
 - b. Confirm that the white rubber washer is in the groove in the center of the bottom cap on the filter.
2. Insert the filter nipple in the center port in the housing top. When the filter is fully insert, it should stay in place.
3. Check the large oring around the mouth of the housing bottom to confirm that it is in place.
4. Reconnect the housing top and bottom by sliding the bottom up and over the filter. Turn the housing bottom until it is tightly sealed.



Start-up and Use of Your Whole House Water Treatment System

To Operate the Bypass Valve

1. Close the shut-off valve between the flushing hose bibb faucet and the house water supply line.
2. Open the flushing hose bibb faucet and attach a garden hose to it for flushing purposes.
3. Push in the bar (lever) on the Bypass Valve marked "PUSH TO BYPASS" (this diverts the water to and through the Bypass Valve).
4. Turn on the main water supply. Check for leaks.
5. Allow water to flow through the Bypass Valve and through the flushing hose bibb faucet to waste for approximately one (1) minute to flush any debris from the pipes. Then turn off the flushing hose bibb faucet.



To Operate the TO30000 System

1. Reopen the hose bibb faucet with garden hose attached for flushing.
2. Push in the bar (lever) marked "PUSH FOR SERVICE" (this diverts the water to and through the TO30000). Again, check for leaks.
3. Press and hold, simultaneously, the red air vent buttons on both units while the units are filling with water to assure that all air escapes from the housings. Hold the buttons until a steady stream of water escapes from both units.
4. Allow the water to flow to waste at the open hose bibb faucet for about 5 minutes to flush the filters.
5. Then turn off the flushing hose bibb faucet.
6. Once again, check all connections to confirm that there are no leaks.
7. Open the shut-off valve between the flushing bibb faucet and the house water supply line. Now water will flow through your TO30000 unit and into your home.

Your TO30000 Whole House Water Treatment System is now ready to provide clean, clear water at every tap and appliance throughout your home. The TO30000 effectively reduces dirt, rust, sand, algae, and chlorine, improving the smell, taste and odor, and overall quality of water for bathing or showering, and all other household water needs.

For the highest quality drinking water, Multi-Pure Corporation recommends the installation of one of the Multi-Pure Drinking Water Systems at the kitchen sink in addition to the Whole House Water Treatment System. Multi-Pure's Drinking Water Systems go beyond solving aesthetic water problems; they also remove from the water supply contaminants of health concerns.

If you have questions regarding the installation of your Multi-Pure Whole House Water Treatment System, contact your plumber and / or call:

**Multi-Pure Corporation
Customer Service Department
toll-free at 1-800-622-9206, ext. 175
email: custsvc@multipure.com
www.multipure.com**

Filter Maintenance

The TO30000 Whole House Water Treatment System uses **filter Model No. TO20**. The life of the filters will vary depending on the amount of water used and the level of particulate matter in the water processed. It is recommended that filters be replaced on a regularly scheduled basis -- when the **first** of the following occurs:

- (a) when the flow rate diminishes, or
- (b) when the filter becomes saturated with bad tastes and odors, or
- (c) about every three to six months.

If you have any questions regarding the replacement of your Model TO20 filters, please call Multi-Pure's Customer Service Department.

**For Replacement Filters: Call 1-800-622-9208 or go to
www.multipure.com/rf.htm**

Other Multi-Pure Products

Multi-Pure Corporation offers other drinking water and water treatment devices designed to improve the quality of your water. The following products are just a few examples of those available from Multi-Pure. Visit **www.multipure.com** for complete information about these and other products, or call our Customer Service Representatives at 800-622-9206 for additional information.



Model MP750SB

***This stainless steel model sits on the cabinet floor or the cabinet wall with a bracket.
May be connected to an icemaker using an icemaker tee.***

- ♦ Durable stainless steel housing with an unprecedented lifetime warranty.
- ♦ Includes a designer faucet which is installed directly on your kitchen sink.
- ♦ May be connected to an icemaker, instant hot, or other device with an optional tee.
- ♦ Filter life of up to 750 gallons or 12 months.
- ♦ NSF certified to reduce a wide range of contaminants of health concern.
- ♦ Retail Price: \$399.95 plus tax and shipping and handling.

Model SFFH

Multi-Pure's Shower Filter attaches to your existing shower arm to aesthetically improve shower water.

- ♦ Filter comes with pop-in replaceable cartridge that lasts about six months.
- ♦ Includes Crystalline Quartz technology in its media for an energized shower experience.
- ♦ May be purchased with optional shower heads, including the Whedon Standard fixed-action showerhead and the Deluxe Massage showerhead.
- ♦ Retail Price: \$49.95 plus tax and shipping and handling.



SFFH with Whedon showerhead

PHOTO OF ACTUAL INSTALLATION

NOTE:

The materials, location, and configuration of the House Water Supply Line in your home may vary. The type of piping / connectors to use to connect to your House Water Supply Line should be determined by a professional plumber.

