



## INSTALLATION, OPERATION AND MAINTENANCE MANUAL

### Warning

Please read carefully before proceeding with installation. Your failure to follow any attached instructions or operating parameters may lead to the product's failure.

Save manual for future reference

# MODEL WHOLE HOUSE FILTER 500222 & 500223



Refer to enclosed warranty for operating parameters to ensure proper use with your water supply.

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Thank you for your purchase of a Watts Whole House Water Filter. Water quality concerns are quickly becoming more of a focus for the public. This Watts whole house water filter has been designed and tested to provide you with a higher quality of water. The following is a brief overview of the system.

## Your Whole House Filter:

This filter is designed to reduce the amount of sediment that would normally enter your home water system. Reducing the amount of sediment in your home water system will allow your fixtures and water use appliances to work better.

## Filter Maintenance

This whole house filter can use 5, 10, 20, or 50 micron replacement filters. This kit includes a 50 micron filter. The recommended filter is a 50 micron. The recommended time for replacing your filter is every three (3) to six (6) months depending on your incoming water conditions. If your water contains more sediment you may be required to change your filters more often. Failure to change filters regularly will reduce water pressure & flow.

It is important to change out your filters at the recommended intervals as indicated in this system manual. When replacing the filter elements, pay special attention to any cleaning instructions. Should you have any further questions please refer to our website at [www.premierH2o.com](http://www.premierH2o.com) or call our customer service dept. at 1-800-752-5582.

## Operational Parameters

***Do not use with water that is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system.***

Operating Temperatures:	Maximum 100°F (37.8°C)	Minimum 40°F (4.4°C)
Operating Pressure:	Maximum 100 psi (7.43 g/cm <sup>2</sup> )	Minimum 20 psi (1.40 kg/cm <sup>2</sup> )

## Contents of Whole House Filter

Filter housing with built in By-Pass Valve  
50 Micron Sediment Filter(s)  
Filter Wrench  
Whole House Filter Manual

*If any of the items are missing please contact Watts at 1-800-752-5582 prior to installing.*

## Tools Recommended For Installation

- √ Hacksaw or Pipe Cutter
- √ Low Grit Sandpaper
- √ (2) 3/4" or 1/2" Crescent Wrenches

## **Please read carefully before proceeding with installation.**

Watts's Whole house filter is designed to be installed on the main waterline servicing the house. It should be installed indoors where it is not subject to cold temperatures or long term exposure to direct sunlight. Watts Inc. does not take any responsibility for the plumbing of the system into the water line. All water filtration systems must be installed in accordance with local plumbing codes and regulations.

This filter comes standard with 3/4 inch female pipe thread ports. If your plumbing is larger than 3/4 inch (1.905 cm) you may need to purchase additional equipment to adapt your water supply to this filter. See your local plumbing equipment store for more information.

Note: Fittings will need to be purchased for installation (see below for recommendations).

### **Installation**

#### **Step 1**

Determine the size of the incoming water line you will be tapping into.

#### **Step 2**

Determine the pipe material (Copper, Pex, CPVC, or other)

**Note:** For copper we recommend using brass 3/4" MPT x (plumbing size) 1/2" or 3/4" compression style fittings. For all other types check with your plumbing professional.

#### **Step 3**

Make sure water flow direction coincides with the "IN" and "OUT" ports marked on the unit.

#### **Step 4**

Make sure to use teflon tape on all male pipe threading used.

**Caution: Make sure not to overtighten threaded port to unit!**

#### **Step 5**

Shut off main water supply and open a faucet beyond the connection to relieve water pressure.

#### **Step 6**

Determine placement of the unit. The amount of pipe to be removed will be dependant on the type of fittings used.

**NOTE:** This unit must be installed vertically with the lid on top.  
(continued to next page)

# Installation Continued

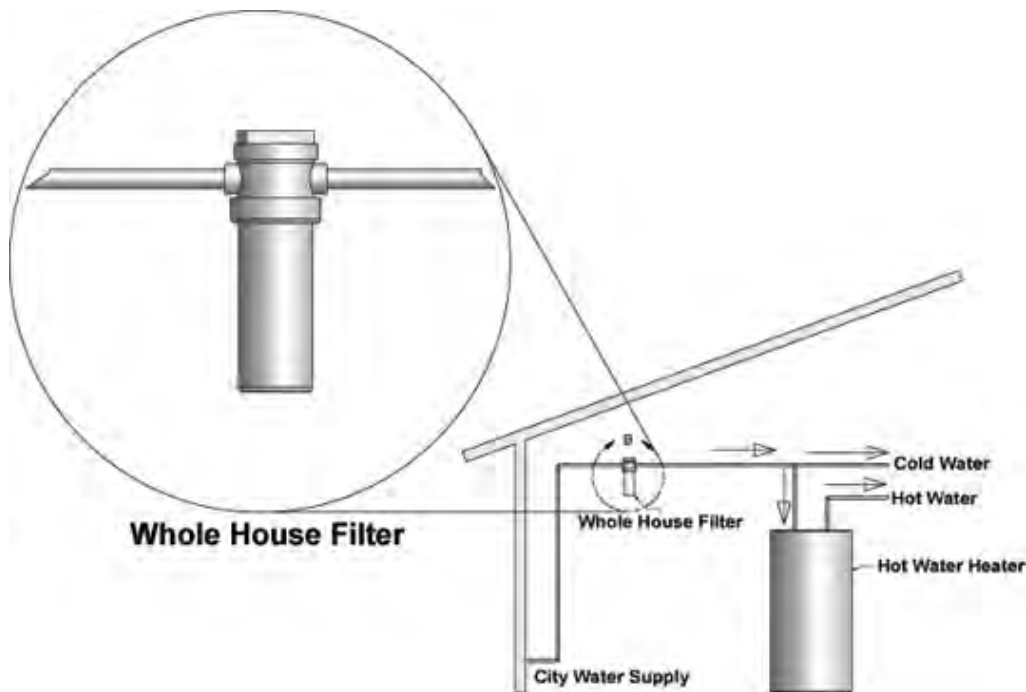
## Step 7

Cut the water line where the Whole House Filter is to be installed. Copper plumbing needs to be cleaned & de-burred of any imperfections. Make sure the installation location allows for easy servicing of the system, including a clearance beneath the filter bowl for filter changes.

## Step 8

Plumb waterline to system. Make sure that the flow direction is correct through the filter system.

There are several ways to plumb your whole house Filter into your existing water line. The diagram below is the basic install layout.



## START UP

Open a faucet downstream of the Whole House filter unit. Make sure the valve on the lid is turned to “FILTER”.

Slowly turn on main water supply until faucet downstream is steadily flowing. Turn off faucet and check for leaks at your connections. Monitor for leaks for 24 hours after installation.

## OPERATING INSTRUCTIONS

**BY-PASS:** Allows water to continue to flow through the house NOT utilizing the filter.

**OFF:** Shuts off water at the filter.

**FILTER:** Allows water to flow through the house utilizing the filter.

**Note:** In all three modes the unit will remain under pressure.

## Suggested Maintenance

Recommended filter change is three (3) to six (6) months depending on your incoming water quality.

Visually check filter for sediment or dirt loading.

To change your filters, shut off the main water supply and open a faucet downstream of the system to reduce water pressure. The bowl of the system can be removed by turning it counter-clockwise.

Remove old filter and discard. Rinse filter bowl and replace filter. Make sure O-Ring is properly seated when replacing filter bowl.

## TROUBLE SHOOTING

<b>Problem</b>	<b>Cause</b>	<b>Solution</b>
1. Filter bowl has no water in it.	Water is not turned on.	Turn water on.
	Valve turned to "BY-PASS" or "OFF".	Make sure valve is turned to the "FILTER" position.
2. Leaking at the bowl.	O-Ring kinked or not seated.	Check / Replace / Re-seat O-Ring.
	Bowl not tightened enough.	Tighten bowl.
3. Leaking at the valve fittings.	Improper installation / Not enough sealant on pipe thread.	Replace or repair fittings.
4. Leaking at top of valve (lid).	Faulty lid.	Call Watts at 1-800-752-5582 for replacement.
5. Low water flow / pressure.	Filter clogged.	Replace filter.

# WARRANTY REGISTRATION

Thank you for selecting Watts for your water filtration needs.

## 4 Ways to Register

### 1. On-line at [www.premierH2o.com](http://www.premierH2o.com)

Register your product on-line and receive a 5% discount on your next on-line order, Plus receive reduced shipping.

### 2. Call in your information 1-800-752-5582

Call and we will enter your information.

### 3. Fax in your information 623-866-5666

Fax this form directly to us.

### 4. Mail in the information.

Please complete the form below. Mail to: **Watts**

8716 W Ludlow Drive Suite #1  
Peoria, AZ 85381

Registering will  
insure you re-  
ceive Watts  
**FREE**  
Filter  
Reminder  
Service

Watts is concerned for the safety of your personal information. Watts collects personal information when you register with Watts. This information is stored in our data base and we do not rent, sell, or share personal information with other people or nonaffiliated companies. We reserve the right to send you certain types of communications such as direct mail, email, or by telephone relating to our products or products that you have purchased. We limit access to your personal information to those employees who will directly provide you with services or products in order to do their jobs. We want to offer you four ways to communicate with us. 1.Online, 2.Fax, 3.Telephone, and 4. Mail the form below. By registering your product you will receive the full benefit of our warranty. Watts will also send you a semiannual filter change reminder beginning six months from date of installation. To insure the highest quality of your water, filters should be replaced every 3-6 months. If you have any questions or comments please give us a call at 1-800-752-5582 M-F 8:00am -5:00pm MST.



First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Country:  USA  CANADA  MEXICO  OTHER \_\_\_\_\_

Phone # \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Email Address: \_\_\_\_\_

Date of Purchase: \_\_\_\_\_ Date of Install: \_\_\_\_\_

Installed By:  SELF  Plumbing Professional Where Purchased: \_\_\_\_\_

Model Number: \_\_\_\_\_

Watts, Inc.  
Phone: 800-752-5582

8716 W Ludlow Drive Suite #1  
[www.premierH2o.com](http://www.premierH2o.com)

Peoria, AZ 85381  
Fax: 623-866-5666

# Limited Warranty

## What your Warranty Covers:

If any part of your Watts Whole House Filtration System is defective in workmanship (excluding replaceable filters), return unit after obtaining a return authorization (see below), within 1 year of original retail purchase, Watts will repair or, at Watts'S option, replace the system at no charge.

## How to obtain Warranty Service:

For warranty service, call 1-800-752-5582 for a return authorization number. Then, ship your unit to our factory, freight and insurance prepaid, with proof of date of original purchase. Please include a note stating the problem. Premier will repair it, or replace it, and ship it back to you prepaid.

## What this warranty does not cover:

This warranty does not cover defects resulting from improper installation, (contrary to Watts's printed instructions), from abuse, misuse, misapplication, improper maintenance, neglect, alteration, accidents, casualties, fire, flood, freezing, environmental factors, water pressure spikes or other such acts of God.

This warranty will be void if defects occur due to failure to observe the following conditions:

1. The Whole House Filtration System must be hooked up to a potable municipal or well cold water supply.
2. The incoming water pressure must be between 20 and 100 pounds per square inch.
3. Incoming water to the unit cannot exceed 105 degrees F (40 degrees C.)

This warranty does not cover any equipment that is relocated from the site of its original installation.

This warranty does not cover any equipment that is installed or used outside the United States of America and Canada.

## LIMITATIONS AND EXCLUSIONS:

Watts WILL NOT BE RESPONSIBLE FOR ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. PREMIER WILL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING TRAVEL EXPENSE, TELEPHONE CHARGES, LOSS OF REVENUE, LOSS OF TIME, INCONVENIENCE, LOSS OF USE OF THE EQUIPMENT, AND DAMAGE CAUSED BY THIS EQUIPMENT AND ITS FAILURE TO FUNCTION PROPERLY. THIS WARRANTY SETS FORTH ALL OF PREMIER'S RESPONSIBILITIES REGARDING THIS EQUIPMENT.

## OTHER CONDITIONS:

If Watts chooses to replace the equipment, Watts may replace it with reconditioned equipment. Parts used in repairing or replacing the equipment will be warranted for 90 days from the date the equipment is returned to you or for the remainder of the original warranty period, whichever is longer. This warranty is not assignable or transferable.

## YOUR RIGHTS UNDER STATE LAW:

Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply. This warranty gives you specific legal rights, and you may have other legal rights which vary from state to state.