

Installation, Operation and Maintenance Manual

Series PWIOGAC2 Filter System

WATTS®
pure water

⚠ WARNING



Read this Manual **BEFORE** using this equipment.
Failure to read and follow all safety and use information
can result in death, serious personal injury, property
damage, or damage to the equipment.
Keep this Manual for future reference.



⚠ WARNING

You are required to consult the local building and plumbing
codes prior to installation. If the information in this manual
is not consistent with local building or plumbing codes, the
local codes should be followed. Inquire with governing
authorities for additional local requirements. Use only
lead-free solder and flux for sweat-solder connections, as
required by state, province and federal codes.

⚠ WARNING

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



PWIOGAC2

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Specifications

Feed Water Parameters

Minimum inlet pressure: 30 psig

Maximum operating pressure: 125 psig

Minimum water temperature: 40°F (5°C)

Maximum water temperature: 110°F (43°C)

Installation

Location: Indoors (Protect from direct sunlight)

Minimum ambient temperature: 40°F (5°C)

Maximum ambient temperature: 110°F (43°C)

MODEL NO.	MINERAL TANK SIZE	MEDIA CUBIC FOOT	GRAVEL (LBS)	SERVICE FLOW* (GPM)	PRESSURE DROP (PSI)	FLOOR SPACE LXWXH
PWIOGAC2	10" X 47"	2	30	7.4	<15	17" X 13" X 60"

***Note:** Peak service flow rate is for intermittent use only and is not to be interpreted as continuous service flow rate capability. These systems are designed to treat the domestic water used in a single family dwelling. For irrigation water treatment or higher volume applications please contact your Watts representative. Peak service flow rates are based on a 15psi drop. Optimum service flow rate is specific to water chemistry and will vary.

Important Safety Information – Read All

IMPORTANT

If you are unsure about installing your Watts water filter, contact a Watts representative or consult a professional plumber. Observe all local plumbing and building codes when installing the system

WARNING

Install the system in a protected area. For more information on where to install the filter see the Installation Considerations section of this manual.

- Do not attempt to treat water over 110°F (43°C) with the system. Always connect the system to the main water supply pipe before the water heater.
- Do not expose the system to freezing temperatures. Water freezing in the system causes equipment damage.
- Do not install in direct sunlight. Ultraviolet rays from the sun may cause damage.
- Minimum inlet water pressure is 30psi. Maximum inlet water pressure is 125psi.
- System must operate in the vertical position, do not lay down during operation
- Place system on a smooth, level surface
- A by-pass valve is include and must be installed on every system to facilitate installation and service
- Water known to have heavy loads of dirt and debris should be pre-filtered using a 20 micron filter cartridge model number PWPL10FFM20 and 1" high flow housing kit model number PWHIB10FF.
- If making a soldered copper installation, do all sweat soldering before connecting pipes to the bypass valve. Torch heat will damage plastic parts.
- When turning threaded pipe fittings onto plastic fittings, use care not to cross thread
- Use PTFE tape on all external pipe threads. Do not use pipe joint compound
- Support inlet and outlet plumbing in some manner (use of pipe hangers or similar) to keep weight off of the bypass fittings.

CAUTION

Test the water periodically to verify that the system is performing satisfactorily.

Discard small parts remaining after the installation.

NOTICE

Failure to install the system correctly voids the warranty.

Handle all components of the system with care. Do not drop, drag or turn components upside down.

Be sure the floor under the water filter system is clean, level and strong enough to support the unit.

Installation Considerations

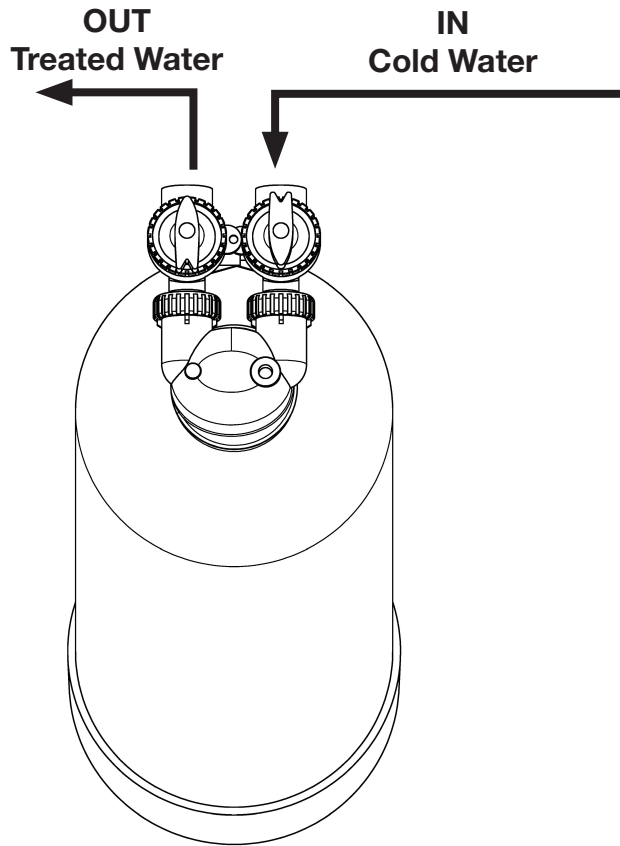
NOTICE

Prior to start up, fill tank with water and allow carbon media to soak for 24 hours to assist with flushing carbon fines from mineral tank during start up.

Consider the following points when determining where to install the filter:

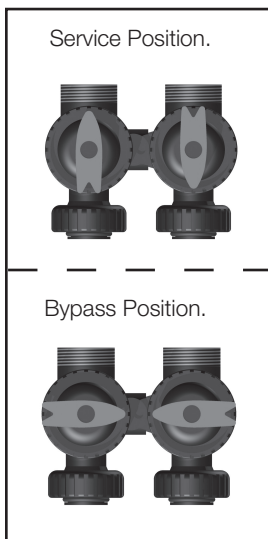
- Do not install the filter where it would block access to the water heater, or access to the main water shutoff, water meter, or electrical panels.
- Install the filter in a place where water damage is least likely to occur if a leak develops.
- Always connect the system to the main water supply pipe before the water heater.
- Install the system where it will not be subject to temperatures outside of the limits stated in the Specification section or to direct sunlight.
- Make sure the installation surface is smooth, level, and sturdy enough to support the weight of the wetted system.

Installation and Start-up



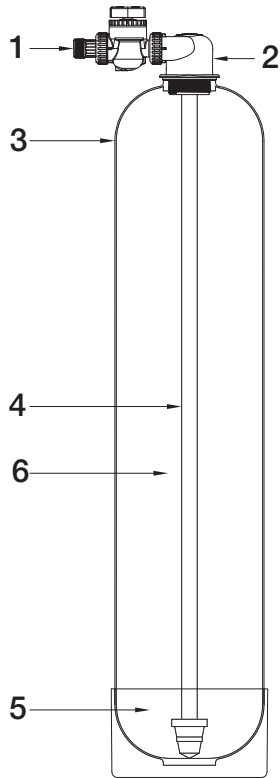
1. Turn off the main water supply to the home and open an inside faucet to relieve any pressure within the plumbing system, then close faucet once pressure is released.
2. Place the system in the desired location. Make sure that the location is level and sturdy enough to support the weight of the wetted system.
3. Place the By-Pass Valve in the service position. See image below for By-Pass positions.

Bypass Valve



4. Connect the cold water supply to the inlet of the system
5. Install a supply valve (user supplied) in the supply line and close it.
6. Place a bucket under the outlet port or run a line from the outlet port to a drain.
7. Turn the water back on to the house. Slowly open the supply valve to the system. Allow the tank to fill with water. The initial water will come out black due to the carbon fines in the media bed.
8. Close the supply valve when a steady stream of clear water comes out of the outlet port, this could take :05 - :10 minutes.
9. If the outlet is flowing into a bucket, water could splash on nearby objects. If this threatens the safety, value, structure or appearance of these objects, protect/remove them or use outlet hose to drain option.
10. Connect the outlet of the system to the cold water supply of the home.
11. Slowly open the supply valve to the system
12. Open hot and cold faucets downstream from the system to relieve any air from the plumbing system and water heaters. Then close faucets.
13. Inspect for leaks and repair as needed
14. The system is now ready for service

Filter Anatomy



ITEM #	DESCRIPTION
1	Bypass
2	Tank Head
3	Tank
4	Distributor
5	Gravel Underbed
6	Filter Media

LIMITED WARRANTY: Certain Watts Pure Water products come with a limited warranty from Watts Regulator Co. Other products may have no warranty or are covered by the original manufacturer's warranty only. For specific product warranty information, please visit www.watts.com or the published literature that comes with your product. Any remedies stated in such warranties are exclusive and are the only remedies for breach of warranty. **EXCEPT FOR THE APPLICABLE PRODUCT WARRANTY, IF ANY, WATTS MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, WATTS HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND IN NO EVENT SHALL WATTS BE LIABLE, IN CONTRACT, TORT, STRICT LIABILITY OR UNDER ANY OTHER LEGAL THEORY, FOR INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS OR PROPERTY DAMAGE, REGARDLESS OF WHETHER IT WAS INFORMED ABOUT THE POSSIBILITY OF SUCH DAMAGES.**



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