Installation, Operation and Maintenance Manual

OneFlow+ Salt-Free Scale Prevention and Water Filtration
Model OFPSYS

⚠️ 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. Keep this Manual for future reference.

⚠️ WARNING ⚠️
Untreated private well water may contain contaminants with levels outside of the operating guidelines. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

IMPORTANT
If you are unsure about installing your WATTS water filter, contact a WATTS representative or consult a professional plumber.

⚠️ 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.
Introduction

Thank you for your purchase of Watts OneFlow+ salt-free scale prevention and water filtration system. This Watts water treatment system has been designed and tested to provide you with high-quality drinking water and scale prevention for years to come.

Installation Instructions

NOTICE

New systems come with the cartridges and outlet connector pre-installed. Installer should verify this during installation.

1. Please confirm that all items required are included in the kit ready for assembly and remove from carton.

2. Find a suitable location for the OneFlow+ system keeping in mind access to the water supply and delivery to the home, restaurant or foodservice equipment.

3. The system can stand upright in the desired location without the need to affix to a wall with a mounting bracket. However, a mounting bracket is available as a separate part (Item 10).

4. Take the two 1"MPT Threaded Adapters (Item 5) and insert them into the inlet and outlet of the OneFlow+ Housing (Item 1) as shown in Diagram A.

5. Secure these adapters with the two red adapter Locking Pins (Item 6) as shown in Diagram A.

6. Take the Sediment/Carbon Filter cartridge (Item 7) and place it within the OneFlow+ Housing (Item 1) as shown in Diagram B.

7. Take the OneFlow+ Scale reduction cartridge (Item 8) and secure it within the centre of the Sediment/Carbon Filter cartridge (Item 7) as shown in Diagram C.

8. Take the Outlet Connector (Item 4) and install it as shown in Diagram D.

9. Take the OneFlow+ Head Assembly (Item 2) and screw this onto the OneFlow+ Housing (Item 1) as shown in Diagram E.

NOTICE

10. To tighten take the Multifunction Tool (Item 9) and tighten the Head Assembly as shown in Diagram E by tightening in a clockwise direction – DO NOT OVER TIGHTEN.

11. Using plumbing tape connect water supply to the inlet of the OneFlow+ system and connect to the outlet of the OneFlow+ System as required.

12. Turn on water supply and check for leaks.
Changing the Filter Cartridges

NOTICE
1. Turn off water supply at either the isolation tap or mains tap.
2. Use the Multifunction Tool (Item 9) to release air from the system. This is done by taking the tool and unscrewing the Pressure Relief Valve (Item 3) refer Diagram F.
3. Use Multifunction Tool (Item 9) to unscrew OneFlow+ Head Assembly (Item 2) anticlockwise and remove from the OneFlow+ Housing as shown in Diagram G.
4. Remove Outlet Connector (Item 4) from top of OneFlow+ Scale Reduction (TAC) Cartridge and remove from outlet port – refer Diagram D.
5. Use Multifunction Tool (Item 9) to remove OneFlow+ Scale reduction (TAC) cartridge (Item) from the Sediment/Carbon Cartridge (item 7) as shown in Diagram H.
6. Remove the Sediment/Carbon (item 7) from the OneFlow+ Housing by hand.
7. Remove new Sediment/Carbon cartridge from packaging and place carefully inside the OneFlow+ Housing as shown in Diagram B.
8. Insert OneFlow+ Scale Reduction (TAC) cartridge back into the centre of the Sediment/Carbon cartridge making sure that it is sealed correctly as shown in Diagram C.
9. Insert Outlet Connector (item 4) into outlet port and secure back on top of the OneFlow+ Scale Reduction cartridge as shown in Diagram D.

NOTICE
10. Place Head Assembly back onto OneFlow+ Housing and using the multifunction tool tighten by screwing the Head Assembly clockwise as shown in Diagram E.
DO NOT OVER TIGHTEN
11. Close the pressure relief valve by tightening in an anticlockwise direction as shown in Diagram F.
12. Turn water supply on and check for leaks.

NOTICE
1. This system must be installed in accordance with local and State Plumbing laws.
2. Where influent pressure exceeds 500 kPa (70 psi) a suitable pressure limiting valve must be installed.
3. Do not use with water that is microbiologically unsafe or of an unknown quality without adequate disinfection before or after the system.
4. Product performance is dependent upon influent water quality.
5. The system must be installed and maintained in accordance with the manufacturer’s instructions including replacement of the filter cartridges.
6. Please ensure all o-rings are well lubricated and clean from foreign particles.
7. Please use plumbing tape or similar for all threaded connections.

Specifications

OPERATING CONDITIONS
Water Flow: 37.8 lpm (10 gpm) maximum
Working Temp: 4.4 - 38o C (40 -100o F)
Working Pressure: 70 kpa – 694 kpa (10-90 psi) – a pressure limiting valve must be installed when pressure exceeds 500 kPa (70 psi).
Working Conditions: For indoor use – protection required when installed outdoors.
Size: 254 mm (10") x 254mm (10") x 457mm (18")
Min Net Weight: 7 kgs (15 lbs)

CONDITIONS FOR USE
pH: 6.5 to 8.5
Hardness, max: 75 grains per gallon (1300ppm CaCO3)
Chlorine: < 3 ppm
Iron, Ferrous: < 0.3 mg/L
Manganese: < 0.05 mg/L
Copper: < 1.3 mg/L
Oil & Phosphates: zero
Hydrogen Sulfide (H2S): zero

CONTAMINANT TREATMENT
Sediment / Particulates: 20 microns with a dirt holding capacity up to 1 kg (2.2 lbs)
Chlorine Reduction: 189,000 litres (50,000 gallons)*
Scale Prevention: Up to 3 years
* according to lab test of carbon block manufacturer.

Ordering Information

OneFlow+ Complete System
7100638 OFFSYS Scale Prevention and Water System

OneFlow+ Water Filter Replacements
7100639 OFPRFC Radial Flow Carbon Block Cartridge F40
7100640 OFPSP Scale Prevention Cartridge F41
7100641 OFPCOM Combo Pack FP14

OneFlow+ System Replacement Parts
7300759 OFPHSG Housing and Head Assembly
7300760 OFPAP Inlet / Outlet Red Adapter Locking Pin
7300761 OFPA 1-in NPT Inlet / Outlet Adapters
7300762 OFPOC Outlet Connector
7300763 OFPTOOL Multifunction Tool
7300764 OFPMB System Mounting Bracket
LIMITED WARRANTY: Certain Watts 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.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
For more information: www.watts.com/prop65