

## Anti-Scale System

# OneFlow™

Anti-Scale System™

**WATTS®**  
**PURE WATER**

### What is OneFlow™?

OneFlow™ is an anti-scaling water treatment technology designed to protect plumbing components, pipes, fixtures, valves, fittings, hot tanks, etc. from the negative effects typically caused by water hardness. It is an environmentally friendly alternative to water softening or any other treatment device designed to address scale.

### How does it work?

OneFlow™ prevents scale by transforming dissolved hardness minerals into harmless, inactive microscopic crystal particles. These crystals stay suspended in the water and have a greatly reduced ability to react negatively and form scale compared to untreated hard water.

### Where is it used?

Virtually any application where scale reduction or scale removal from water hardness is required or desired. For Example: Hotels, restaurants, apartment buildings, office buildings, condo complexes, boilers, irrigation systems, humidifiers, distillers, steam generators, solar heating systems, tankless water heaters, RO pre-treatment, misting systems, tract homes, Laundromats and numerous food service applications. Cartridge based systems may be installed on a cold water line prior to a water using device (water heater, hot-beverage system, appliance, steamer, etc.). Tank based systems may be installed at the point of entry to a building to treat both hot and cold water or prior to a water using device. For applications where the water temperature is above 42C (107F), contact your local Davies branch.

### Does it remove all minerals from the water?

No, OneFlow™ preserves the beneficial mineral content while preventing the possible negative scale formation associated with these minerals. By rendering the hardness minerals harmless while still keeping them present, you truly get the best of both worlds. With regards to chlorine and fluoride, the OneFlow™ media, by itself, does not remove either of these additives. However, some cartridge systems contain carbon-based media to remove and reduce chlorine.

### Does the media need to be replaced?

Yes. For filter housing cartridge systems, replace the media as indicated. For tank based systems, replace the media every three years. Additionally, it is recommended that tank based systems be installed with an isolation valve with a bypass loop so the tank(s) can be taken off-line for media replacement.

### Are there any application limitations?

Untreated well water may pose a limitation due to the unknown chemistry it often possesses. Also, closed-loop systems that do not offer a "blow-down" or "flush valve" are not recommended because the micro-crystals need to exit the system.

### Lead Free

The wetted surface contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight



## Residential / Commercial Anti-Scale System

### Residential / Commercial OneFlow® Anti-Scale System



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- This single cartridge system provides protection from scale formation on internal and external plumbing surfaces
- Install on a cold water line prior to a water using device that requires protection from the ill effects of hard water
- Ideal for tankless water heaters, restaurants, cafeterias, coffee shops and food service
- Chemical free - an effective alternative to water softeners
- Requires little maintenance - no control valve, no backwashing, no salt and no electricity
- Simple sizing - all you need to know is pipe size and flow rate
- Inlet ball valve for easy isolation shutoff and filter changes
- Includes: Mounting bracket & filter wrench
- Warranty: 1 year

Maximum Flow Rate (GPM)	Connection Size FNPT	Brand	Model Number	Part Number
10	3/4"	Watts	OF-TWH	0002182
Replacement Filter Cartridge				
Anti-Scale OneFlow® Filter Cartridge Replace every 2 years		Watts	OF-TWH-RM	0002183

Note: Copper lines need to be passivized for a minimum of 4 weeks before placing unit into service. Not for use on closed loop systems.

# Commercial Anti-Scale System

## Commercial OneFlow® Anti-Scale System



- This single cartridge system provides protection from scale formation on internal and external plumbing surfaces
- Install on a cold water line prior to a water using device that requires protection from the ill effects of hard water
- Ideal for restaurants, cafeterias, coffee shops and food service
- Chemical free - an effective alternative to water softeners
- Requires little maintenance - no control valve, no backwashing, no salt and no electricity
- Simple sizing - all you need to know is pipe size and flow rate
- Inlet ball valve for easy isolation shutoff and filter changes
- Includes: Mounting bracket & filter wrench
- Warranty: 1 year

Maximum Flow Rate (GPM)	Connection Size FNPT	Brand	Model Number	Part Number
1	1/2"	Watts	OF110-1	0002148
2	1/2"	Watts	OF120-2	0002149
4	3/4"	Watts	OF140-4	0002150

## Commercial OneFlow® Anti-Scale System



- This dual cartridge system provides protection from scale formation on internal and external plumbing surfaces and reduces chlorine and other off tastes if using a carbon block cartridge filter
- Install on a cold water line prior to a water using device that requires protection from the ill effects of hard water
- Ideal for restaurants, cafeterias, coffee shops and food service
- Chemical free - an effective alternative to water softeners
- Requires little maintenance - no control valve, no backwashing, no salt and no electricity
- Simple sizing - all you need to know is pipe size and flow rate
- Inlet ball valve for easy isolation shutoff and filter changes
- Includes: Mounting bracket & filter wrench
- Warranty: 1 year

Maximum Flow Rate (GPM)	Connection Size FNPT	Brand	Model Number	Part Number
1	1/2"	Watts	OF210-1	0002151
2	1/2"	Watts	OF220-2	0002152
4	3/4"	Watts	OF240-4	0002153

## Replacement OneFlow® Filter Cartridges For Above Systems



Description	Fits	Replace	Brand	Model Number	Part Number
Anti-Scale OneFlow® Filter Cartridges	Single & Dual 10 Housing	Every 12 Months	Watts	OF110RM	0002161
	Single & Dual 20 Housing		Watts	OF120RM	0002162
	Single & Dual 40 Housing		Watts	OF140RM	0002163
Carbon Block OneFlow® Filter Cartridges	Dual 10 Housing	Every 6 Months	Watts	OF110RC	0002164
	Dual 20 Housing		Watts	OF120RC	0002165
	Dual 40 Housing		Watts	OF140RC	0002166

Note: Copper lines need to be passivized for a minimum of 4 weeks before placing unit into service. Not for use on closed loop systems.

# Commercial Anti-Scale System

## Commercial OneFlow® Anti-Scale System



- This tank system provides protection from scale formation on internal and external plumbing surfaces
- Install at the point of entry to a building to treat both hot and cold water or prior to a water heater, boiler or other hot water using device that requires protection from the ill effects of hard water. Not for use with water temperatures above 42C (107F).
- Ideal for towns and communities where water softeners are banned or restricted because this system does not remove minerals or add sodium to the water supply
- Chemical free - an effective alternative to water softeners
- Requires little maintenance - no control valve, no backwashing, no salt and no electricity
- Simple sizing - all you need to know is pipe size and peak flow rate
- **An isolation valve with a bypass loop is recommended for most applications so the tank(s) can be taken off-line for media replacement**
- Warranty: 1 year

Maximum Flow Rate (GPM)	Connection Size	Brand	Model Number	Part Number
10	3/4" Sweat	Watts	OF744-10-A	0002100
	1" Sweat	Watts	OF744-10-B	0002101
	1" MPT, Plastic	Watts	OF744-10-C	0002102
	1 1/4" MPT, Plastic	Watts	OF744-10-D	0002103
	1" MPT 90° Elbow, Plastic	Watts	OF744-10-E	0002104
12	3/4" Sweat	Watts	OF844-12-A	0002105
	1" Sweat	Watts	OF844-12-B	0002106
	1" MPT, Plastic	Watts	OF844-12-C	0002107
	1 1/4" MPT, Plastic	Watts	OF844-12-D	0002108
	1" MPT 90° Elbow, Plastic	Watts	OF844-12-E	0002109
16	3/4" Sweat	Watts	OF948-16-A	0002110
	1" Sweat	Watts	OF948-16-B	0002111
	1" MPT, Plastic	Watts	OF948-16-C	0002112
	1 1/4" MPT, Plastic	Watts	OF948-16-D	0002113
	1" MPT 90° Elbow, Plastic	Watts	OF948-16-E	0002114
20	3/4" Sweat	Watts	OF1054-20-A	0002115
	1" Sweat	Watts	OF1054-20-B	0002116
	1" MPT, Plastic	Watts	OF1054-20-C	0002117
	1 1/4" MPT, Plastic	Watts	OF1054-20-D	0002118
	1" MPT 90° Elbow, Plastic	Watts	OF1054-20-E	0002119
30	3/4" Sweat	Watts	OF1252-30-A	0002120
	1" Sweat	Watts	OF1252-30-B	0002121
	1" MPT, Plastic	Watts	OF1252-30-C	0002122
	1 1/4" MPT, Plastic	Watts	OF1252-30-D	0002123
	1" MPT 90° Elbow, Plastic	Watts	OF1252-30-E	0002124

Replacement Media		
For Model Series	Model Number	Part Number
OF744	OF744RM	0002154
OF844	OF844RM	0002155
OF948	OF948RM	0002156
OF1054	OF1054RM	0002157
OF1252	OF1252RM	0002158
<b>Replace Media Every 3 Years</b>		

Note: Copper lines need to be passivated for a minimum of 4 weeks before placing unit into service. Not for use on closed loop systems.

# Commercial Anti-Scale System

## Commercial OneFlow® Anti-Scale System



- This tank system provides protection from scale formation on internal and external plumbing surfaces
- Install at the point of entry to a building to treat both hot and cold water or prior to a water heater, boiler or other hot water using device that requires protection from the ill effects of hard water. Not for use with water temperatures above 42C (107F).
- Ideal for towns and communities where water softeners are banned or restricted because this system does not remove minerals or add sodium to the water supply
- Can be operated in parallel for high flow applications to meet peak flow rate requirements
- PVC/CPVC manifold assemblies for easy installation of multi-tank, high flow applications
- Chemical free - an effective alternative to water softeners
- Requires little maintenance - no control valve, no backwashing, no salt and no electricity
- Simple sizing - all you need to know is pipe size and peak flow rate
- **An isolation valve with a bypass loop is recommended for most applications so the tank(s) can be taken off-line for media replacement**
- Warranty: 1 year

Maximum Flow Rate (GPM)	Connection Size		Brand	Model Number	Part Number
	Inlet	Outlet			
50	2" PVC Union with 90° Socket	2" PVC Socket	Watts	OF1465-50	0002125
75		Watts	OF1665-75	0002126	

Replacement Media		
For Model Series	Model Number	Part Number
OF1465	OF1465RM	0002159
OF1665	OF1665RM	0002160
<b>Replace Media Every 3 Years</b>		

Note: Copper lines need to be passivized for a minimum of 4 weeks before placing unit into service. Not for use on closed loop systems.

### Multi-Tank Guide

Multi-Tank Connection		Max Flow Rate GPM
# Of Tanks	Tank Model	
1	OF1465-50	50
	OF1665-75	75
2	OF1465-50	100
	OF1665-75	150
3	OF1665-75	225
5	OF1465-50	250
4	OF1665-75	300
5	OF1665-75	375
6	OF1665-75	450