

Hydro-Safe®

Foodservice Water Filtration and Treatment Products for:

- Beverage Equipment
- Espresso Machines
- Combi Ovens
- Ice Machines
- Steamers



foodservice.watts.com

WATTS®

Introducing Hydro-Safe®

Water — Your Most Important Ingredient 1-3

Cube Max™

Sizing, Replacement Filters, Ordering Information 4-5

Cold Bev Max™

Sizing, Replacement Filters, Ordering Information 6-7

Steam Max™

Sizing, Replacement Filters, Ordering Information 8-9

Espresso Max™

Sizing, Replacement Filters, Ordering Information 10

Brew Max™

Sizing, Replacement Filters, Ordering Information 11

Replacement Filters

CR Line of Replacement Filters 12

Sediment, Inline Filters 13

Carbon Filters 14

Additional Foodservice Filtration Products

Mini Water Softeners, RO Systems 15

OneFlow® for Warewashing 16

Ordering Information

To order products in this catalog, contact Dormont Manufacturing, your exclusive foodservice source for Hydro-Safe systems and filters.

Phone: 800-367-6668

E-mail: orders@dormont.com

Fax: 724-733-4808

Additional Hydro-Safe system information and product specifications are available at foodservice.watts.com.

Water

Your Most Important Ingredient

Water is at the heart of foodservice. Whether you offer it with meals, make beverages with it, cook in it or wash with it, water is the single most-used — and undoubtedly the most important — ingredient in your business.



Maintenance

Water also affects foodservice equipment. Hard water can cause damage that results in costly maintenance and repairs — or even equipment replacement.

You cannot operate your business without water, and your business cannot succeed without good, quality water.



Safety

Although your water is treated for bacteria, chemicals and pollutants by your public water utility, it still must be made safe from internal contaminants. Even lead from plumbing, for example, is a concern in foodservice because of the potential adverse health effects it can cause in people of all ages.



Taste

Water alone can raise or lower the bar on the taste of the food and drinks you provide to consumers.

How To Make Water Your Best Ingredient

The solution to problems caused by poor-quality water seems simple enough—treat it to make it better. The challenge, however, is much more complex. Just as one size usually doesn't fit all, neither will a singular approach work to treat water quality effectively. There are just too many different applications and varying water quality requirements in foodservice.

The answer is to use a hybrid approach in which you select a highly advanced system of filtering components that treat water for your particular application, unique situation and demanding requirements.

Hydro-Safe developed by Watts and now available from Dormont Manufacturing—was designed specifically for foodservice. This highly advanced technology includes an impressive family of Lead Free products, each of which offers you an expansive variety of filtering configurations for making your water your best ingredient.

Hydro-Safe filtration products deliver solutions for filtering sediment,

sand, silt, rust and cysts, as well as chloramines, chlorine taste and odor. They are also used for reducing scale and softening and conditioning water, prolonging the life of your equipment and reducing maintenance. Hydro-Safe even provides an expansive selection of more-effective replacement cartridges for competitive filtration systems.

The Hydro-Safe family:

- **Cube Max™** for ice making equipment
- **Cold Bev Max™** for cold beverage machines
- **Steam Max™** for steamers and combi oven equipment
- **Espresso Max™** for specialty espresso beverage machines
- **Brew Max™** for coffee and hot beverage machines
- **Competitive Replacement Filters** for other filtration systems.



Hydro-Safe®

Most of the filtration products within the Hydro-Safe® family are WQA certified to NSF/ANSI industry standards. Just as importantly, they are also Lead Free*. Watts has been an industry leader in developing, promoting and offering Lead Free products across a wide spectrum of water-related technologies. Hydro-Safe is yet one more example of Watts' commitment to Lead Free.

Hydro-Safe also affords you access to additional Watts filtration products that can be used with your Hydro-Safe system. These include Watts' reverse osmosis and mini water softeners—and hot-water warewashing systems.

Hydro-Safe Components include:

-  **OneFlow®** is Watts' revolutionary, media-based system for reducing hardness-based scale without the use of chemicals and electricity. Used on ice machines, brewing systems and in steam cooking, OneFlow generates no waste water and features long, 12-month filter life.
-  **Polyspun Mechanical Filtration Cartridges** reduce sediment and suspended particulates in water. Made of 100 percent fibrous materials to prevent bacteria growth, they are woven tighter toward the center, making them more effective and ensuring the longest-possible filter life.
-  **Activated Carbon Block Cartridges** utilize coconut shell carbon for the highest possible chlorine reduction capacity. Highly effective at reducing chloramine and chlorine tastes and odors, these cartridges are available in a wide variety of types for filtering out lead, VOCs and cysts from water.
-  **Polyphosphate Cartridges** use chemical sequestering for prevention of hardness scale. Watts phosphate media filters are known in the industry for their durability and performance.
-  **Water Softening Cartridges** employ sodium-ionic exchange technology to reduce calcium and magnesium hardness in water. These cartridges feature blonde resins for minimal color throw.
-  **Granular Activated Carbon (GAC) Radial Flow Cartridges** eliminate or significantly reduce chlorine tastes and odors in high-flow applications at low-pressure drops.



* The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Cube Max™

The quality of your water is in the ice you serve.

Cube Max™ reduces sand, silt, sediment, rust, chlorine taste and odors while controlling scale and dramatically reducing maintenance downtime for ice making equipment. Cube Max is your solution for delivering consistent, clear, high-quality ice while maintaining equipment performance and keeping maintenance downtime to a minimum.

Challenges:

- Scale buildup leading to plugging and maintenance downtime
- Inconsistent water flow and harvest efficiency
- Corrosion and mechanical failures
- Thin or poor-quality ice
- Bad taste or cloudy ice

Solutions:

- OneFlow® anti-scale technology for optimal scale reduction and extended performance.
- Advanced filtration technology to ensure optimum flow rates and reduced pressure loss
- Trouble-free production and operation of ice making equipment
- Consistently clear, high-quality ice
- Advanced coconut shell carbon for superior filtration capabilities and longevity

Applications:

Ice machine types, including:

- Flake
- Cubed
- Nugget
- Crushed
- Crescent



1 GPM Peak Flow Rate Systems



Cube Max-CP1



Cube Max-S2



Cube Max-S3



Ordering Code	CBMX-CP1S	CBMX-S2S	CBMX-S3S
Flow Rate GPM (LPM)	1 (3.8)	1 (3.8)	1 (3.8)
Stages	1	2	3
Sediment Filter (5 Micron)			✓
Carbon Block Filter (1 Micron)	✓	✓	✓
Scale Control	Phosphate	OneFlow	OneFlow
Capacity (gal.)	15,000	15,000	15,000
Connection (in.)	3/8 NPT	3/8 NPT	3/8 NPT
Ice Per Day (lbs.)	650	650	650
Replacement Filter Kits	CBMXR-S-CBSC	CBMX-S2S-PM	CBMX-S3S-PM

For additional information, access online literature ES-HS-Cube Max at foodservice.watts.com

Note: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

2 GPM Peak Flow Rate Systems

Sediment Filter
 Carbon Block Filter
 OneFlow
 Phosphate



Ordering Code	CBMX-CP1L	CBMX-S2L	CBMX-S3L	CBMX-S3LP
Flow Rate GPM (LPM)	2 (7.6)	2 (7.6)	2 (7.6)	2 (7.6)
Stages	1	2	3	4
Sediment Filter (5 Micron)			✓	✓
Carbon Block Filter (1 Micron)	✓	✓	✓	✓ (2)
Scale Control	Phosphate	OneFlow	OneFlow	OneFlow
Capacity (gal.)	35,000	35,000	35,000	70,000
Connection (in.)	3/8 NPT	3/8 NPT	3/8 NPT	3/8 NPT
Ice Per Day (lbs.)	1,200	1,200	1,200	2,500
Replacement Filter Kits	CBMXR-L-CBSC	CBMX-S2L-PM	CBMX-S3L-PM	CBMX-S3LP-PM

4 GPM Peak Flow Rate Systems

GAC Filter
 Sediment Filter
 Carbon Block Filter
 OneFlow
 Phosphate



Ordering Code	CBMX-CP1-B	CBMX-S2B	CBMX-S3B
Flow Rate GPM (LPM)	4 (15)	4 (15)	4 (15)
Stages	1	2	3
GAC Filter	✓		
Sediment Filter (5 Micron)			✓
Carbon Block Filter (1 Micron)		✓	✓
Scale Control	Phosphate	OneFlow	OneFlow
Capacity (gal.)	40,000	150,000	150,000
Connection (in.)	3/4 NPT	3/4 NPT	3/4 NPT
Ice Per Day (lbs.)	1,500	3,500	3,500
Replacement Filter Kits	CBMXR-BL-CBSC	CBMX-S2B-PM	CBMX-S3B-PM

Note: All Cube Max replacement filter packages are also available with phosphate scale control as well. Filter changeout interval should be one year for OneFlow, and six months for phosphate filters. The gallon capacity claims are for dechlorination. Peak service flow rate is for intermittent use only and is not to be interpreted as continuous service flow rate capacity. See System Feedwater Requirements and OneFlow Application Practices on page 16.

Cold Bev Max™

The best beverages depend on the best quality water.

Cold Bev Max™ provides maximum quality, capacity and filtering performance during your peak water demand times. Fountain beverages consist of more than 80 percent water, so your water must be clean and clear to deliver better-tasting beverages. High-capacity Cold Bev Max products ensure that your water remains clear of cysts, chlorine and chloramines.

Challenges:

- Inconsistent water quality or clarity results in poor-quality beverages
- Chloramine and chlorine taste and odors in beverages
- Frequent cleaning and maintenance of equipment

Solutions:

- Consistent control of cysts, chloramine, chlorine taste and odor and sediment
- Superior beverage quality
- Extended life of expensive foodservice equipment

Applications:

- Soda Machines
- Fountain Beverage Systems
- Dual Carbonated Dispensers



1 GPM Peak Flow Rate Systems

Carbon Block Filter



Cold Bev Max-S2



Ordering Code	CLDBMX-S2S
Flow Rate GPM (LPM)	1 (3.8)
Stages	2
Carbon Block Filter (1 Micron)	✓ (2)
Capacity (gal.)	2,000
Connection (in.)	3/8 NPT
Replacement Filter Kit	CLDBMX-S2S-PM

For additional information, access online literature ES-HS-Cold Bev Max at foodservice.watts.com

Note: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

2 GPM Peak Flow Rate Systems

Carbon Block Filter



Cold Bev Max-S2L



Cold Bev Max-S3L



Ordering Code	CLDBMX-S2L	CLDBMX-S3L
Flow Rate GPM (LPM)	2 (7.6)	2 (7.6)
Stages	2	3
Carbon Block Filter (1 Micron)	✓ (2)	✓ (3)
Capacity (gal.)	2,500	4,000
Connection (in.)	3/8 NPT	3/8 NPT
Replacement Filter Kits	CLDBMX-S2L-PM	CLDBMX-S3L-PM

6 GPM Peak Flow Rate Systems

GAC Filter RAF

Coconut Shell Carbon Filter



Cold Bev Max-S1BBL



Cold Bev Max-S2BBL



Cold Bev Max-S3BBL



Ordering Code	CLDBMX-S1B	CLDBMX-S2B	CLDBMX-S3B
Flow Rate GPM (LPM)	6 (22)	6 (22)	6 (22)
Stages	1	2	3
GAC Filter RAF			✓
Carbon Block Filter (1 Micron)	✓	✓ (2)	✓ (2)
Capacity (gal.)	5,000	10,000	10,000
Connection (in.)	3/4 NPT	3/4 NPT	3/4 NPT
Replacement Filter Kits	CLDBMAXR-BL-CB	CLDBMX-S2B-PM	CLDBMX-S3B-PM

Note: Gallon Capacity claims are for chloramine reduction. See System Feedwater Requirements on page 16.

Note: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

Steam Max™

Scale buildup is the main reason for poor steam cooking performance.

Steam Max™ filters water and provides superior scale reduction in steam-based cooking applications.



Challenges:

- Improper heating due to scale buildup on temperature probes
- Plugging and maintenance downtime caused by scale
- Excessive downtime for cleaning
- Decreased service life due to effects of harsh cleaning chemicals
- Corrosion and mechanical failures

Solutions:

- OneFlow® anti-scale technology for optimal scale reduction and extended performance
- Advanced filtration technology to reduce cleaning and maintenance downtime
- Highly effective coconut shell carbon filtration for longer equipment life

Applications:

- Steamers
- Combi Ovens

1 GPM Peak Flow Rate Systems



Steam Max-S1



Steam Max-S3



Steam Max-S3 Lime Scale



Ordering Code	STMMAX-S1S	STMMAX-S3S	STMMAX-S3S-LS
Flow Rate GPM (LPM)	1 (3.8)	1 (3.8)	1 (3.8)
Stages	1	3	3
Sediment Filter (5 Micron)		✓	✓
Carbon Block Filter (5 Micron)		✓	✓
Scale Control	OneFlow	OneFlow	Phosphate
Capacity (gal.)	12 Months	10,000	10,000
Connection (in.)	3/8 NPT	3/8 NPT	3/8 NPT
Replacement Filter Kits	DOR-OF110RM	STMMAX-S3SS-PM	STMMAX-S3S-PM

For additional information, access online literature ES-HS-Steam Max at foodservice.watts.com

Note: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

2 GPM Peak Flow Rate Systems

Sediment Filter
 Carbon Block Filter
 OneFlow
 Phosphate



Ordering Code	STMMAX-S1L	STMMAX-S3L-LS	STMMAX-S3LP	STMMAX-S3LP-LS
Flow Rate GPM (LPM)	2 (7.6)	2 (7.6)	2 (7.6)	2 (7.6)
Stages	1	3	4	4
Sediment Filter (5 Micron)		✓	✓	✓
Carbon Block Filter (5 Micron)		✓	✓ (2)	✓ (2)
Scale Control	OneFlow	Phosphate	OneFlow	Phosphate
Capacity (gal.)	12 Months	20,000	40,000	40,000
Connection (in.)	3/8 NPT	3/8 NPT	3/8 NPT	3/8 NPT
Replacement Filter Kits	DOR-OF120RM	STMMAX-S3L-PM	STMMAX-S3LP-PM	STMMAX-S3LPS-PM

4 GPM Peak Flow Rate Systems

OneFlow



6 GPM Peak Flow Rate Systems

OneFlow



Ordering Code	STMMAX-S1B
Flow Rate GPM (LPM)	4 (15)
Stages	1
Scale Control	OneFlow
Capacity	12 Months
Connection (in.)	3/4 NPT
Replacement Filter Kit	DOR-OF140RM

Ordering Code	STMMAX-S1BP
Flow Rate GPM (LPM)	6 (22)
Stages	1
Scale Control	OneFlow
Capacity	12 Months
Connection (in.)	3/4 NPT
Replacement Filter Kit	OFTWHRM

Note: All Steam Max replacement filter packages are also available with phosphate scale control as well. One-stage Steam Max systems do not dechlorinate water. If chlorine is present, then a multi-stage system that contains a Carbon Block Filter should be selected to minimize corrosion due to chlorine within systems that generate steam. See System Feedwater Requirements and OneFlow Application Practices on page 16. Peak service flow rate is for intermittent use only and is not to be interpreted as continuous service flow rate capacity.

Note: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

Espresso Max™

A more sensitive process than standard brewing, espresso demands the highest quality in the water used.

Espresso Max™ filters water and provides water softening and scale reduction necessary in the maintenance of espresso beverage equipment. Its ion exchange resin helps to extend the life of your equipment by eliminating the need for corrosive daily cleaning. Espresso Max™ also features coconut shell activated carbon filtration for control and reduction of sand, silt, sediment, rust, chlorine taste and odor.

Espresso Max™, delivers premium-quality water at uniform pressure to help ensure consistent tasting and looking beverages, cup after cup.



Challenges:

- Inconsistent water pressure for uniform espresso extraction
- Corrosion due to mineral buildup, leading to constant daily maintenance
- Bitter taste

Solutions:

- Free-flowing activated carbon and softening media to help maintain uniform system pressures
- Softening media to help prevent mineral scale buildup
- Advanced coconut shell carbon for superior filtration and control of bitterness and bad taste

Applications:

- Espresso Machines
- Tea Machines
- Bun Warmers
- Tabletop Steamers

1 GPM Peak Flow Rate Systems

- Carbon Block Filter
- Softening Filter



Espresso Max-S2



Ordering Code	ESPMAX-S2S
Flow Rate GPM (LPM)	1 (3.8)
Stages	2
Carbon Block Filter (5 Micron)	✓
Softening Filter	✓
Capacity (gal.)	10,000
Connection (in.)	3/8 NPT
Replacement Filter Kit	ESPMAX-S2S-PM

2 GPM Peak Flow Rate Systems

- Carbon Block Filter
- Softening Filter



Espresso Max-S2L



Ordering Code	ESPMAX-S2L
Flow Rate GPM (LPM)	2 (7.6)
Stages	2
Carbon Block Filter (5 Micron)	✓
Softening Filter	✓
Capacity (gal.)	20,000
Connection (in.)	3/8 NPT
Replacement Filter Kit	ESPMAX-S2L-PM

Note: Capacity is based on dechlorination by the activated carbon cartridge only. The life of the water softening cartridge will vary according to your local water hardness levels. See System Feedwater Requirements and OneFlow Application Practices on page 16. Peak service flow rate is for intermittent use only and is not to be interpreted as continuous service flow rate capacity.

For additional information, access online literature ES-HS-Espresso Max at foodservice.watts.com

Note: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

Brew Max™

After water, coffee is the second most widely consumed beverage in the world. Keep them coming back for yours by making it the best.

Brew Max™ is our everyday, high-usage system designed to filter water and reduce scale in hot beverage machinery. Additional filtration ensures superior water quality for lead, cyst and VOC (volatile organic compound) reduction, and it also reduces sand, silt, sediment, rust, chlorine taste and odor. Extended filter options are available for systems looking for chlorine reduction capabilities.



Challenges:

- Inconsistent water quality that results in poor-tasting coffee
- Chloramine and chlorine taste and odors in beverages
- Frequent cleaning and maintenance of equipment

Solutions:

- OneFlow® anti-scale technology for optimal scale reduction and extended performance
- Integrated filtration for lead, cyst and VOC reduction
- Comprehensive sand, silt, sediment, rust, chlorine taste and odor reduction
- Advanced coconut shell carbon for superior filtration to eliminate bitterness and bad taste

Applications:

- Coffee Brewers
- Tea Machines
- Espresso Machines
- Soda Machines

.5 GPM Peak Flow Rate Systems

- Carbon Block Filter
- OneFlow



Brew Max-S2

-
-

1 GPM Peak Flow Rate Systems

- Carbon Block Filter
- OneFlow



Brew Max-S2L

-
-

Ordering Code	BRWMAX-S2S
Flow Rate GPM (LPM)	0.5 (1.9)
Stages	2
Carbon Block Filter (1 Micron)	✓
Scale Control	OneFlow
Capacity (gal.)	600
Connection (in.)	3/8 NPT
Replacement Filter Kit	BRWMAX-S2S-PM

Ordering Code	BRWMAX-S2L
Flow Rate GPM (LPM)	1 (3.8)
Stages	2
Carbon Block Filter (1 Micron)	✓
Scale Control	OneFlow
Capacity (gal.)	1,200
Connection (in.)	3/8 NPT
Replacement Filter Kit	BRWMAX-S2L-PM

Note: Capacity is based on lead reduction claims of the activated carbon cartridge only. The life of the OneFlow cartridge is one year. See System Feedwater Requirements and OneFlow Application Practices on page 16. Peak service flow rate is for intermittent use only and is not to be interpreted as continuous service flow rate capacity.

For additional information, access online literature ES-HS-Brew Max at foodservice.watts.com

Note: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

CR Line of Replacement Filters

Watts' foodservice program includes many of the popular bayonet-style replacement filtration components in the marketplace today. Below is a short list of products available through the foodservice program. If you do not see the specific replacement filter that you are looking for, please contact your foodservice representative for a complete list of available replacement filters.

Most Hydro-Safe competitive replacement filters are certified to NSF/ANSI standards to ensure quality, consistency, and superior performance. Replacement filters are shipped in full-case quantities to maximize cost efficiencies and ensure that you have filters when you need them.

Competitive Replacement (CR) Filters

Cross Reference	Ordering Code	Flow Rate GPM (LPM)	Cyst	Sediment	Chlorine	Scale Control	Bacteriostatic	Capacity (gal.)
7CB5	HSR-EP-7CB5 (105020)	2 (7.6)		✓	✓			20,000
Insurice 2000	HSR-EP-2000 (105050)	1.7 (6.4)		✓	✓	✓		15,000
Insurice 4000	HSR-EP-4000 (105051)	2 (7.6)		✓	✓	✓		20,000
OCS	HSR-EP-CROCS (105052)	0.5 (1.9)	✓	✓	✓	✓		2,000
BH	HSR-EP-BH (105053)	0.5 (1.9)	✓	✓	✓	✓		3,000
MC	HSR-EP-MC (105054)	1.7 (6.4)	✓	✓	✓			15,000
XC	HSR-EP-XC (105055)	2 (7.6)	✓	✓	✓			20,000
4CB5-S	HSR-EP-4CB5-S (105056)	1.7 (6.4)		✓	✓	✓		10,000
4CB5-K	HSR-EP-4CB5-K (105057)	1.7 (6.4)		✓	✓		✓	10,000
CFS8112-S	HSR-CR-CFS8112-S (105058)	1.7 (6.4)		✓	✓	✓		10,000
CFS717	HSR-CR-CFS717 (105059)	0.5 (1.9)		✓	✓			2,000
MH	HSR-EP-MH (105060)	1.7 (6.4)		✓	✓	✓		15,000



Note: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

Sediment Filters


Filter Models	Ordering Code	Length	OD	Micron	Cross Reference
HS-FIL-SED-STD-10-5M-GR	HSR-S-SED-5MG	9.75	2.5	5	AP110, CFS110, DEV9109-08
HS-FIL-SED-STD-10-20M-GR	HSR-S-SED-20MG	9.75	2.5	20	
HS-FIL-SED-STD-20-5M-GR	HSR-L-SED-5MG	20	5	5	AP110-2, CFS110-C20, DEV9109-12
HS-FIL-SED-STD-10-1M	HSR-S-SED-1M	9.75	2.5	1	GRMB01PP10UB, ECPI-10, EV9534-30
HS-FIL-SED-STD-10-5M	HSR-S-SED-5M	9.75	2.5	5	GRMB05PP10UB
HS-FIL-SED-STD-10-10M	HSR-S-SED-10M	9.75	2.5	10	GRMB10PP10UB, EC110, EV9534-12
HS-FIL-SED-STD-10-50M	HSR-S-SED-50M	9.75	2.5	50	GRMB50PP10UB
HS-FIL-SED-STD-20-1M	HSR-L-SED-1M	20	2.5	1	RMB01PP20UB, ECPI-20, EV9534-33, EV9534-26, DEV9109-11
HS-FIL-SED-STD-20-5M	HSR-L-SED-10M	20	2.5	5	GRMB05PP20UB, GRMB10PP20UB, DEV9109-12, EC210, EV9534-26
HS-FIL-SED-STD-20-50M	HSR-L-SED-50M	20	2.5	50	GRMB50PP20UB
HS-FIL-SED-BB-10-1M	HSR-BS-SED-1M	9.75	4.5	1	
HS-FIL-SED-BB-10-5M	HSR-BS-SED-5M	9.75	4.5	5	AP810, DEV9108-44
HS-FIL-SED-BB-10-20M	HSR-BS-SED-20M	9.75	4.5	20	AP811
HS-FIL-SED-BB-10-50M	HSR-BS-SED-50M	9.75	4.5	50	AP814
HS-FIL-SED-BB-20-1M	HSR-BL-SED-1M	20	4.5	1	CFS211-2, CFS212-2, CFS214-2, DGD2501, EV9108-40
HS-FIL-SED-BB-20-5M	HSR-BL-SED-5M	20	4.5	5	AP810-2, CFS210-2, DEV91058-41, DGD5005, EV9108-37
HS-FIL-SED-BB-20-20M	HSR-BL-SED-20M	20	4.5	20	AP811-2
HS-FIL-SED-BB-20-50M	HSR-BL-SED-50M	20	4.5	50	AP814-2

Inline Filters


Filter Models	Ordering Code	Length	OD	Fitting	Cross Reference
HS-IL-6-GAC-AW-NPT-CTO	HSR-IL-AC-6N	6	2	¼ NPT	Acid Wash Carbon
HS-IL-6-GAC-AW-QC-CTO	HSR-IL-AC-6QC	6	2	¼ QC	Acid Wash Carbon
HS-IL-6-PHOS-NPT-SC	HSR-IL-ACSC-6N	6	2	¼ NPT	Carbon with Scale Control
HS-IL-6-PHOS-QC-SC	HSR-IL-ACSC-6QC	6	2	¼ QC	Carbon with Scale Control
HS-IL-10-GAC-NPT-CTO	HSR-IL-AC-10N	10	2	¼ NPT	Coconut Shell Carbon
HS-IL-10-GAC-QC-CTO	HSR-IL-AC-10QC	10	2	¼ QC	Coconut Shell Carbon
HS-IL-10-GAC-AW-NPT-CTO	HSR-IL-AWAC-10N	10	2	¼ NPT	Acid Wash Carbon
HS-IL-10-GAC-AW-QC-CTO	HSR-IL-ACSC-10QC	10	2	¼ QC	Acid Wash Carbon
HS-IL-10-PHOS-NPT-SC	HSR-IL-ACSC-10N	10	2	¼ NPT	Carbon with Scale Control
HS-IL-10-CB-1M-QC-PB	HSR-IL-ACPB-10QC	10	2	¼ QC	Lead and Cyst
HS-IL-12-GAC-AW-QC-CTO	HSR-IL-AWAC-12QC	12	2	¼ QC	Acid Wash Carbon

Note: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

Water Filtration Terminology

Activated carbon filters are filters that work through two main filtration processes, mechanical and chemical filtration.

Mechanical filtration is a filter system that mechanically separates particulate matter from water, just as a screen keeps dust out, yet allows air to pass through. The smaller the micron rating of the filter, the finer the particles the filter will be able to remove.

Chemical filtration is heavily dependent upon the quality of carbon used (e.g., coal versus coconut shell). Compared to mechanical filtration, where low flow dictates when to replace a filter, chemical filtration loses its effectiveness as the filter becomes saturated with contaminants. The filter must be replaced on a regular basis or when volume capacity is reached.

GAC filtration or Granular Activated Carbon is typically used in high-flow applications, primarily for the reduction of chlorine taste and odors.

Micron rating, a term relating to mechanical filtration, represents the size of pores between the filtration media. A 50-micron filter has larger pore sizes, allowing larger particles through the filter, while a 5-micron filter does not allow large particles through.



Carbon Filters

Filter Models	Ordering Code	Length	OD	Micron	Description	Cross Reference
HS-CBSC-STD-10-CBE-MAX	CBMXR-S-CBSC	9.75	2.5	1	CB w/ Scale Reduction	
HS-CBSC-STD-20-CBE-MAX	CBMXR-L-CBSC	20	2.5	1	CB w/ Scale Reduction	
HS-CB-STD-10-CBE-MAX	CBMXR-S-CB	9.75	2.5	1	CB	
HS-CB-STD-20-CBE-MAX	CBMXR-L-CB	20	2.5	1	CB, Sed, CTO	
HS-CBSC-BB-20-CBE-MAX	CBMXR-BL-CBSC	20	4.5	20	RF GAC w/ Scale Reduction	
HS-CB-BB-20-CBE-MAX	CBMXR-BL-CB	20	4.5	1	CB, Sed, CTO	
HS-CB-STD-10-STEAM-MAX	STMAXR-S-CB	9.75	2.5	5	CB, Sed, CTO	
HS-SC-STD-10-STEAM-MAX	STMAXR-S-ACSC	9.75	2.5	N/A	Phosphate scale control	
HS-CB-STD-20-STEAM-MAX	STMAXR-L-CB	20	2.5	5	CB, Sed, CTO	
HS-SC-STD-20-STEAM-MAX	STMAXR-L-ACSC	20	2.5	N/A	Phosphate scale control	
HS-SC-BB-20-STEAM-MAX	STMAXR-BL-ACSC	20	4.5	N/A	Phosphate scale control	
HS-CB-STD-10-COLD-BEV	CLDBMAXR-S-CB	9.75	2.5	1	CB, Sed, CTO, Chloramines	
HS-CB-STD-20-COLD-BEV	CLDBMAXR-L-CB	20	2.5	1	CB, Sed, CTO, Chloramines	
HS-CB-BB-20-COLD-BEV	CLDBMAXR-BL-CB	20	4.5	1	CB, Sed, CTO, Chloramines	
HS-CB-STD-10-ESPRESSO	ESPMAXR-S-CB	9.75	2.5	5	CB, Sed, CTO	
HS-CB-STD-20-ESPRESSO	ESPMAXR-L-CB	20	2.5	5	CB, Sed, CTO	
HS-SOFT-STD-10-ESPRESSO	ESPMAXR-S-ST	9.75	2.5	N/A	Softening and Scale	
HS-SOFT-STD-20-ESPRESSO	ESPMAXR-L-ST	20	2.5	N/A	Softening and Scale	
HS-CB-STD-10-BREW-MAX	BRWMAXR-S-CB	9.75	2.5	1	CB, Sed, CTO, Lead, Cyst, VOC	
HS-CB-STD-20-BREW-MAX	BRWMAXR-L-CB	20	2.5	1	CB, Sed, CTO, Lead, Cyst, VOC	
HS-GAC-STD-10-CTO	HSR-S-AC	9.75	2.5	25	GAC, Sed, CTO	AP117
HS-GAC-STD-20-CTO	HSR-L-AC	20	2.5	25	GAC, Sed, CTO	CFS017S-C20, DEV9108-33
HS-CB-STD-10-1M-CST	HSR-S-CB	9.75	2.5	1	CB, Sed, CTO, CYST	9320-1044 DEV9108-53
HS-CB-STD-20-5M-CTO	HSR-L-CB5M	20	2.5	5	CB, Sed, CTO	DEV9108-25
HS-CB-STD-20-1M-CTO	HSR-L-CB1M	20	2.5	1	CB, Sed, CTO, CYST	DEV9108-63
HS-GAC-BB-10-CTO	HSR-B-AC	9.75	4.5	25	GAC, Sed, CTO	AP817
HS-GAC-BB-20-CTO	HSR-BL-AC	20	4.5	25	GAC, Sed, CTO	AP817-2 DEV9108-42
HS-CB-BB-10-1M-CYST	HSR-BS-CB-M	9.75	4.5	1	CB, Sed, CTO, CYST	DEV9108-03
HS-CB-BB-20-1M-CYST	HSR-BL-CB-M	20	4.5	1	CB, Sed, CTO, CYST	DEV9108-43
HS-GACRAF-BB-20-CTO	HSR-BL-ACRAF	20	4.5	25	GAC, Sed, CTO	

Note: See System Feedwater Requirements and OneFlow Application Practices on page 16.

Note: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

Mini Water Softeners

Commercial Systems

Sizes: 4K and 8K

Watts Mini Water Softeners are used with commercial tea or espresso machines — as well as steamers — to eliminate problems caused by hard water and to significantly enhance the quality of finished beverages.

These mini water softeners are effective because they remove calcium and magnesium, the cause of water hardness, from the incoming feed water supply, and prevent scale buildup. They are available in two sizes, 4K and 8K.

Watts Mini Water Softeners:

- Are easy to install and recharge
- Include NSF-listed pressure vessels
- Utilize high-quality, food-grade softening resins
- Are lower in maintenance costs
- Include a reducing bushing
- Eliminate cloudy iced tea
- Eliminate lime scale buildup in equipment
- Result in better-tasting beverages



4K

8K

Mini Water Softeners

System Models	Ordering Code	Resin Capacity (grains)	System Size - DxH (in.)	Connection (in.)	Maximum Continuous Flow Rate GPM (LPM)
4K	HS-SOFT-MINI-4K	4,000	7 X 15-1/2	3/4 FNPT	2 (7.6)
8K	HS-SOFT-MINI-8K	8,000	7 X 20-1/2	3/4 FNPT	2.6 (9.8)

Note: See System Feedwater Requirements on page 16.

RO Systems

Watts LC-200P and LC-300P systems are uniquely designed to produce consistent quality water when it is critical to maintain low total dissolved solids (TDS) for equipment operation purposes. These reverse osmosis systems significantly reduce scale-causing minerals in steamers, boilers and other foodservice applications. The Watts RO membranes are NSF Certified and are designed to reject over 96 percent of minerals that cause scale buildup and equipment problems.

High-flow coconut shell carbon and variable-density sediment pre-treatment prepares the water prior to the membrane filtration. Post-treatment filters ensure high-quality taste and clarity and also help to ensure optimal equipment performance.



LC-200P

System Models	Ordering Code	GPD	Pump	Stage 1	Stage 2	Stage 3	Stage 4	Carton Dimensions HxWxD	Wt (lbs.)
LC-200P	HS-RO-200GPD	200	1	IF-SP-2005	FI-CT0020/2	MM-TFF90/160 (2)	FI-GAC020HP	36x21x10	46
LC-300P	HS-RO-300GPD	260	1	IF-SP-2005	FI-CT0020/2	MM-TFF90/160 (3)	FI-GAC020HP	36x21x10	48

Note: See System Feedwater Requirements on page 16.

Note: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

OneFlow® for Warewashing

Watts' OneFlow® system uses a unique, highly innovative technology for eliminating scale buildup in foodservice warewashing machines. OneFlow neutralizes calcium and magnesium elements in the water so that they flow through the water system without attaching to equipment components or water lines. Unlike traditional systems that use chemicals or salt, OneFlow uses media consisting of long-lasting, specially coated resin beads, which last far longer and are safer for the environment.

Challenges:

- Mechanical failures due to corrosion
- Excessive downtime for equipment cleaning
- Decreased service life of machines because of effects of harsh cleaning chemicals

Solutions:

- OneFlow Anti-Scale technology for optimal scale reduction and extended performance

Applications:

- Warewashing Machines



DOR-OF817-8H-B

System Model	Ordering Code	Rated Flow GPM (LPM)	Connection (in)
OF817-8H	DOR-OF817-8H-B	8 (30)	1 FNPT

Note: Peak service flow rate is for intermittent use only and is not to be interpreted as continuous service flow rate capability. See System Feedwater Requirements and OneFlow Application Practices below.

OneFlow® Application Practices

Systems using OneFlow technology prevent hardness-related scale formation inside the plumbing system at influent hardness levels of 75 grains per gallon of calcium carbonate and less. Due to variances in water chemistry, certain aesthetic conditions external of the plumbing system may not be attained.

New copper lines need to be passivated before placing unit into service. Copper usually originates from new copper plumbing upstream of the OneFlow system. All new copper plumbing before the system should

be allowed to passivate by operating under normal conditions for a period of four weeks prior to starting up the system. This will allow the copper surfaces to be fully flushed and develop a natural protective surface.

To further minimize any problems with excess copper, avoid applying excess flux on the inner surfaces of the pipe and use a low-corrosivity water-soluble flux listed under the ASTM B813 standard.

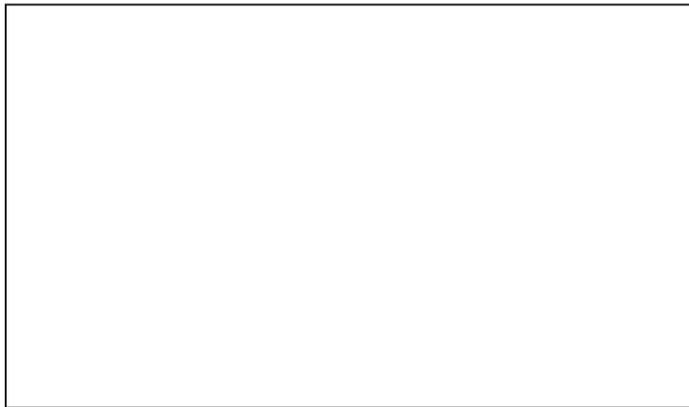
OneFlow is not for use on closed-loop systems.

System Feedwater Requirements

- Maximum Pressure for Standard (STD) 3/8 NPT Filter Systems: 125psi/8.6 bar (Note: Cube Max S3L+ and Steam Max S3L+ are 90psi rated.)
- Maximum Pressure for Big Blue (BB) 3/4 NPT Filter Systems: 90psi/6.2 bar
- Maximum Pressure for Mini Water Softeners, Reverse Osmosis Systems and OneFlow model number OF-817-8H: 100psi/6.8 bar
- Maximum Temperature: 100°F (38°C) for all cartridge based systems and mini softeners. 150°F (65°C) for OneFlow for Warewashing model number OF-817-8H
- pH: 6.5 to 8.5
- Hardness (maximum): 75 grains (1282 ppm CaCO₃)
- Chlorine: < 2ppm
- Iron (maximum): 0.3 mg/l
- Manganese (maximum): 0.05 mg/l
- Copper (for systems including OneFlow): < 0.1 mg/l
- Oil & H₂S: None allowed
- Polyphosphate (for systems including OneFlow): None allowed
- Silica (maximum for systems including OneFlow): 10 ppm
- For all other feedwater quality requirements: Abide by the current USEPA Safe Drinking Water Act standards.

Note: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

Represented by:



Ordering Information

To order products in this catalog, contact Dormont Manufacturing,
your exclusive foodservice source for Hydro-Safe systems and filters.

Phone: 800-367-6668

E-mail: orders@dormont.com

Fax: 724-733-4808

Additional Hydro-Safe system information and products specifications are available at
foodservice.watts.com



A Watts Water Technologies Company



Tel: (800) 264-1183 • Fax: (724) 733-4808 • www.watts.com