



Innovative Series

Mini Catalog

BWS City Softeners, Ozone Filters, UltraFilters, and UV Systems



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CONTRACTOR SERIES

BUILT TO LAST

BLAKE
WATER SOLUTIONS



RUGGED & DURABLE UV DISINFECTION SYSTEMS

MODELS: BWSC4-10, BWSC4-15,
BWSC4-Z1, BWSC4-Z2

UV technology is proven to control microbiological (bacteria & virus) issues in water including *E.coli*, *Cryptosporidium* and *Giardia lamblia*.

Intended for easy, do-it-yourself installation, a BLAKE BWSC4 system can be installed on the home's main water line at the point-of-entry, treating all the water coming into the home.

Designed to effectively treat flow rates from 8 to 15 gpm, BLAKE's axial flow and rack systems offer the quality, flexibility and convenience that you require for all of your residential and light commercial applications.

PRODUCT FEATURES

- 10 and 15 gpm axial flow system, 8 and 15 gpm rack system with single 10" and 20" sump
- 304 SS LPHO-based system (LPSO on BWSC4-Z1)
- Integral lamp life monitor, with both audible and visual indication of lamp life
- Reliable, industry proven, proprietary low pressure coated UV lamps with ceramic bases for durability and long life (10,000 hours on HO systems, 9,000 hours on SO systems)
- Constant current electronic controller in a splash proof case, fully potted ballast virtually eliminates common water damage issue
- 110-230V/50-60Hz.

BWSC4-10 series, for flow rates of 38 lpm (10 gpm)
BWSC4-15 series, for flow rates of 57 lpm (15 gpm)
BWSC4-Z1 series, for flow rates of 30 lpm (8 gpm)
BWSC4-Z2 series, for flow rates of 57 lpm (15 gpm)



BWS INNOVATIVE SERIES **MINI CATALOG**

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The BWS Innovative Series Mini Catalog features a selection of featured models. Additional configurations are available for most products. *Ask about BWS Custom Solutions as well!*

Available at:



Order online: **BlakeEquip.com**

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BWS City Softeners

Clack WS1EE - 1" Models

BWS City Water Softeners will soften hard water & remove unpleasant chlorine taste and odor. They are suitable for applications ranging from 32,000 to 48,000 grains of hardness removal capacity at flow rates of up to 9 gpm continuous (12 gpm peak).

The Specialist Series II models are built around the Clack WS1EE Control Valve with John Guest Adapters. The KDF 55 Media System is able to reduce Chlorine levels before the water contacts the softening resin!

BWS Specialist Series II City Softeners include:

- Clack WS1EE Specialist Series II Control Valve
- Media Guard Insert w/ KDF 55 Process Media
- Premium or High Efficiency (HE) Resins
- John Guest Adapters



The BWS City Water Softener is the simplest solution to remove both chlorine and hardness from the city or municipal water you use throughout your home with one system!

ITEM NO	DESCRIPTION
BMS321CK55	City Softener - 32K Demand 1" Water Softener w/ KDF 55 Media, Clack WS1EE, Includes Bypass, John Guest Adapters and 9" x 48" Tank
BMS481CK55	City Softener - 48K Demand 1" Water Softener w/ KDF 55 Media, Clack WS1EE, Includes Bypass, John Guest Adapters and 10" x 54" Tank
HE321CK55	City Softener - 32K High Efficiency Demand 1" Water Softener w/ KDF 55 Media, Clack WS1EE, Includes Bypass, John Guest Adapters and 9" x 48" Tank
HE481CK55	City Softener - 48K High Efficiency Demand 1" Water Softener w/ KDF 55 Media, Clack WS1EE, Includes Bypass, John Guest Adapters and 10" x 54" Tank

Clack WS1EE - 3/4" Models

ITEM NO	DESCRIPTION
BMS32CK55	City Softener - 32K Demand 3/4" Water Softener w/ KDF 55 Media, Clack WS1EE, Includes Bypass, John Guest Adapters and 9" x 48" Tank
BMS48CK55	City Softener - 48K Demand 3/4" Water Softener w/ KDF 55 Media, Clack WS1EE, Includes Bypass, John Guest Adapters and 10" x 54" Tank
HE32CK55	City Softener - 32K High Efficiency Demand 3/4" Water Softener w/ KDF 55 Media, Clack WS1EE, Includes Bypass, John Guest Adapters and 9" x 48" Tank
HE48CK55	City Softener - 48K High Efficiency Demand 3/4" Water Softener w/ KDF 55 Media, Clack WS1EE, Includes Bypass, John Guest Adapters and 10" x 54" Tank

BWS City Softeners

Clack WS1EE - Cabinet Style



ITEM NO	DESCRIPTION
BMSC321CK55	City Softener - Cabinet Style - Demand 32K W/KDF 55 WS1EE W/Bypass 1" John Guest
BMSC321CK55LP	City Softener - Cabinet Style - Low Profile - Demand 32K W/KDF 55 WS1EE W/Bypass 1" John Guest
BMSC32CK55	City Softener - Cabinet Style - Demand 32K W/KDF 55 WS1EE W/Bypass 3/4" John Guest
BMSC32CK55LP	City Softener - Cabinet Style - Low Profile - Demand 32K W/KDF 55 WS1EE W/Bypass 3/4" John Guest
HEC321CK55	City Softener - Cabinet Style - Demand High Efficiency 32K W/KDF 55 WS1EE W/Bypass 1" John Guest
HEC321CK55LP	City Softener - Cabinet Style - Low Profile - Demand - High Efficiency 32K W/KDF 55 WS1EE W/Bypass 1" John Guest
HEC32CK55	City Softener - Cabinet Style - Demand High Efficiency 32K W/KDF 55 WS1EE W/Bypass 3/4" John Guest
HEC32CK55LP	City Softener - Cabinet Style - Low Profile - Demand - High Efficiency 32K W/KDF 55 WS1EE W/Bypass 3/4" John Guest

Fleck 5600SXT - 1" Models

BWS Fleck Series City Softeners are built around the Fleck 5600SXT Control Valve with a Stainless Steel Bypass. The KDF 55 Media System is able to reduce Chlorine levels before the water contacts the softening resin! Systems range from 32k to 48k grains hardness removal capacity at flow rates up to 9 gpm (12 gpm peak)

BWS Fleck Series City Softeners include:

- Durable & Efficient Fleck 5600SXT Control Valve
- Media Guard Insert w/ KDF 55 Process Media
- Premium or High Efficiency (HE) Resins
- Stainless Steel Bypass

The BWS City Water Softener is the simplest solution to remove both chlorine and hardness from the city or municipal water you use in your home with one system!



ITEM NO	DESCRIPTION
BMS321FK55	City Softener - 32K Demand 1" Water Softener w/ KDF 55 Media, Fleck 5600SXT, with Stainless Steel Bypass
BMS481FK55	City Softener - 48K Demand 1" Water Softener w/ KDF 55 Media, Fleck 5600SXT, with Stainless Steel Bypass
HE321FK55	City Softener - 32K High Efficiency Demand 1" Water Softener w/ KDF 55 Media, Fleck 5600SXT, with Stainless Steel Bypass
HE481FK55	City Softener - 48K High Efficiency Demand 1" Water Softener w/ KDF 55 Media, Fleck 5600SXT, with Stainless Steel Bypass

BWS City Softeners

Fleck 5600SXT - 3/4" Models

ITEM NO	DESCRIPTION
BMS32FK55	City Softener - 32K Demand 3/4" Water Softener w/ KDF 55 Media, Fleck 5600SXT, with Stainless Steel Bypass
BMS48FK55	City Softener - 48K Demand 3/4" Water Softener w/ KDF 55 Media, Fleck 5600SXT, with Stainless Steel Bypass
HE32FK55	City Softener - 32K High Efficiency Demand 3/4" Water Softener w/ KDF 55 Media, Fleck 5600SXT, with Stainless Steel Bypass
HE48FK55	City Softener - 48K High Efficiency Demand 3/4" Water Softener w/ KDF 55 Media, Fleck 5600SXT, with Stainless Steel Bypass

BWS Ozone Filters

BWS Ozone Filters use Ozotech EOG Technology to oxidize, clean and filter water while providing anti-microbial protection against nuisance bacteria and related odors.

This water filter produces cleaner, better tasting water without using or replacing chemicals.

- Easy to Install and Built to Last!
- Improves quality of Water
- Low Maintenance
- No Harmful Chemicals



Water entering the Ozone Oxidation Generator (EOG) system passes through an ozone layer where impurities are oxidized, deodorized and enlarged so the filter can remove them and hold them until a backwash cycle is initiated. The impurities are then sent to drain and the ozone layer is replaced, ready to process another batch of crystal clean water!

ITEM NO	DESCRIPTION
BTF10COZ	Ozone Filter - L/Media 10X54 WS1EE Ozone Aeration 3/4" John Guest Quick W/Bypass
BTF12COZ	Ozone Filter - L/Media 12X52 WS1EE Ozone Aeration 3/4" John Guest Quick W/Bypass
BTF14COZ	Ozone Filter - L/Media 14X65 WS1EE Ozone Aeration 3/4" John Guest Quick W/Bypass
BTF16COZ	Ozone Filter - L/Media 16X65 WS1EE Ozone Aeration 3/4" John Guest Quick W/Bypass
BTF18C125OZ	Ozone Filter - L/Media 1865 WS125EE Ozone Aeration 1-1/4" W/Bypass
BTF24C15OZ	Ozone Filter - L/Media 24X72 WS15EE Ozone 4 Button Control

BWS UltraFiltration

UltraFilters

Blake Water Solutions is proud to offer their Specialist Series™ UltraFilter (UF) System.

UF is a filtration process whereby solids and high molecular weight organic molecules are removed from a liquid stream as the liquid passes through the semi-permeable UF membrane.

Tiny pores in the membrane allow the liquid (i.e. water) and any dissolved minerals to pass through the membrane, while any solids and organic compounds larger than the membrane's molecular weight cut off (MWCO) are rejected.

The BWS Specialist Series™ UF System provides whole-house filtration, for safe and clean water at every tap.

BWS Specialist UF Systems include:

- Clack WS1EE Specialist Series II Control Valve
- Filtration down to 0.02 Microns / 3/4:" and 1" Systems
- Polylined FRP Tank, Single Tank/Duplex/Twin models
- NSF 44 Certified Pressure Vessel / NSF 61 Certified Membrane / Continuous Flow
- Automatically controlled system requires very little homeowner intervention.



ITEM NO	DESCRIPTION
UF04C	UltraFilter 04 Gpm W/Autoflush Poly-Uf, 3/4" SharkBite Connectors
UF04CD	UltraFilter 08 Gpm Dup Parallel W/Autoflush Poly-Uf, 3/4" SharkBite Connectors
UF04CDS	UltraFilter 08 Gpm Dup Parallel W/Autoflush & Sani Poly-Uf, 3/4" SharkBite Connectors
UF04CS	UltraFilter 04 Gpm W/Autoflush & Sani Option Poly-Uf, 3/4" SharkBite Connectors
UF04CT	UltraFilter 04 Gpm Twin Alt W/Autoflush Poly-Uf, 3/4" SharkBite Connectors
UF04CTS	UltraFilter 04 Gpm Twin Alt W/Autoflush & Sani Poly-Uf, 3/4" SharkBite Connectors
UF10C1	UltraFilter 10 Gpm W/Autoflush Poly-Uf, 1" SharkBite Connectors
UF10C1D	UltraFilter 20 Gpm Dup Parallel W/Autoflush Poly-Uf, 1" SharkBite Connectors
UF10C1DS	UltraFilter 20 Gpm Dup Parallel W/Autoflush & Sani Poly-Uf, 1" SharkBite Connectors
UF10C1S	UltraFilter 10 Gpm W/Autoflush & Sani Option Poly-Uf, 1" SharkBite Connectors
UF10C1T	UltraFilter 10 Gpm Twin Alt W/Autoflush Poly-Uf, 1" SharkBite Connectors
UF10C1TS	UltraFilter 10 Gpm Twin Alt W/Autoflush & Sani Poly-Uf, 1" SharkBite Connectors

**RUGGED & DURABLE
UV DISINFECTION SYSTEMS**

UV technology is proven to control microbiological (bacteria & virus) issues in water including E.coli, Cryptosporidium and Giardia lamblia.

Intended for easy installation, a BWS UV system can be installed on the home's main water line at the point-of-entry, treating all the water coming into the home.

- 10 and 15 GPM Axial Flow System, 8 and 15 GPM Rack system with single 10" and 20" Sump
- Integral lamp life monitor, with both audible and visual indication of lamp life.
- Reliable, industry proven, proprietary low pressure coated UV lamps with ceramic bases for durability and long life.
- Constant current electronic controller in a splash proof case, fully potted ballast virtually eliminates common water damage issue



Designed to treat flow rates from 8 to 15 GPM, BLAKE's axial flow and rack systems offer the quality, flexibility & convenience you need for all your residential & light commercial applications.

ITEM NO	DESCRIPTION
BWSC410	UV System - 10 gpm LP-HO Audible/Visual lamp-out 3/4" MNPT
BWSC415	UV System - 15 gpm LP-HO Audible/Visual lamp-out 1" MNPT
BWSC4Z1	UV System - 25 gpm LP-HO Audible/Visual lamp-out 1" MNPT
BWSC4Z2	UV System - 40 gpm LP-HO Audible/Visual lamp-out 1 1/2" MNPT

BLAKE WATER SOLUTIONS - Contractor Series				
	BWSC4-10	BWSC4-15	BWSC4-Z1	BWSC4-Z2
Flow Rate (@ 16 mJ/cm ² @ 95% UVT)	19 GPM 71.9 lpm 4.3 m ³ /hr.	27 GPM 102.2 lpm 6.1 m ³ /hr.	16 GPM 60.6 lpm 3.6 m ³ /hr.	30 GPM ¹ 113.6 lpm 6.8 m ³ /hr.
Flow Rate (@ 30 mJ/cm ² @ 95% UVT)	10 GPM 37.9 lpm 2.3 m ³ /hr.	15 GPM 56.8 lpm 3.4 m ³ /hr.	8 GPM 30.3 lpm 1.8 m ³ /hr.	15 GPM 56.8 lpm 3.4 m ³ /hr.
Flow Rate (@ 40 mJ/cm ² @ 95% UVT)	7 GPM 26.5 lpm 1.6 m ³ /hr.	11 GPM 41 lpm 2.5 m ³ /hr.	6.4 GPM 24.2 lpm 1.5 m ³ /hr.	12 GPM 45.4 lpm 2.7 m ³ /hr.
NOTE: 1. based on flow velocity of 8.2 ft/sec (2.5 m/sec.), flow rate limited to 22.1 gpm (84 lpm) (5.0 m ³ /hr.) for 1" port				

City Softener

Remove Chlorine and Hardness

BLAKE
WATER SOLUTIONS



I Have City Water.

Why Do I Need a BWS City Softener?

City and municipal water companies add chlorine to your water to purify it and kill off microorganisms and other waterborne pathogens. It is an effective and economical way to disinfect water. However, the smell and health concerns about chlorine prompt many families to find the means to remove it from their water.

City and municipal water companies are not required to remove hardness from water as it poses no public health risks. However, hard water presents a number of hidden problems and added costs to the affected homeowner. In addition to leaving ugly scaly residue on your plumbing fixtures, dishes and laundry, hard water deposits can decrease the lifespan of pipes and appliances and decrease the efficiency of water heating systems.

The BWS City Softener is the simplest solution to remove both chlorine and hardness from the water you use throughout your home with one system.



BLAKE
WATER SOLUTIONS



From our home in northeastern US to your home and family, you can trust a water conditioning product assembled by Blake Water Solutions. Local, trusted and family owned for two generations, our products are built with pride in the USA.

CONNECTICUT

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BLAKE EQUIPMENT ONEONTA

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BLAKE EQUIPMENT PINE ISLAND

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RHODE ISLAND

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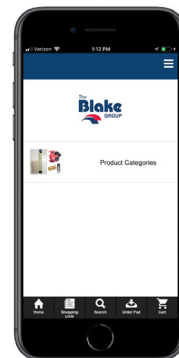
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