



Keystone Filter

Water Filters & Replacement Cartridges

for taste and odor removal

All-Purpose Carbon Block

Problem:

Are you concerned with multiple water problems?

Solution:

A Keystone Series 9000 Filter for sediment and taste/odor removal.



If your preference is carbon block filters, Keystone offers two choices:

- #900 • High capacity chlorine reduction up to 20,000 gallons @ 1.0 GPM
 - High chemical absorption capacity, VOC reduction
 - 2 micron sediment efficiency
- #902 • Our most economical carbon block
 - Chlorine reduction up to 3750 gallons @ 1.0 GPM
 - Highest carbon block flow rate capacity
 - 10 micron filtration capacity

Specifications

MODEL NUMBER	FILTER WEIGHT	CHLORINE CAPACITY	MICRON	INITIAL PRESSURE DROP@FLOW	TEMP	PRESSURE	DIMENSIONS O.D. X LENGTH
900	.75 lb >	20,000 gal @ 1.0 gpm	2	3.5 psid @ 1.0 gpm	125°F	150	2.50 X 9.75
902	.75 lb >	3,750 gal @ 1.0 gpm	10	0.75 psid @ 1.0 gpm	125°F	150	2.50 X 9.75

High-Flow Carbon Filters

Problem:

Are you looking to remove tastes and odors throughout your entire house?

Solution:

Keystone GIANT Series Carbon Filters for taste, odor and chemical contaminant removal at a maximum flow rate.



Keystone offers a wide selection of higher flow carbon filters including the NEW Model G310, a GIANT (4 1/2" OD) version of Keystone's standard economical wound carbon cartridge (#310).

See Bulletin G310.

Now ORDER Keystone products ONLINE at www.thomascregister.com/keystonefilter



Keystone Filter Division

2385 North Penn Road, Hatfield, PA 19440
 Toll Free: (800)822-1963, FAX: (215)997-1839
 E-mail: filters@keystonefilter.com
 Web Sites: www.keystonefilter.com



MEMBER

Economical Taste & Odor Filters

Problem:

Unpleasant tastes and odors, such as chlorine and/or sulfur (rotten egg), in your drinking water.

Solution:

The Keystone Economical Series 3000 Taste/Odor Filter.



This filter cartridge is made of activated carbon which is proven to remove bad tastes and odors by adsorption. The Series 3000 series filter is tightly wound and uses very fine activated carbon particles to maximize adsorption efficiency. The filter also provides

Activated carbon works best when it has sufficient contact time with the water. For best performance, filters must be properly sized and located. **If you need help determining the correct filter to use, see chart below or contact our Customer Service Department at 1-800-822-1963 or email us at filters@keystone-filter.com.**

It is very important to maintain your filter properly by changing the cartridge on a regular basis. You will find that the life of your filter cartridges can vary depending on the amount of chlorine added to the water supply in your area. The best way to determine when your taste/odor cartridge needs to be changed is to wait until the offending taste/odor returns. If your problem is minimal or your water usage is low, the cartridge should be replaced at least once a year.

Which Filter Should You Use?

For Condos, Apartments

MODEL NUMBER	DESCRIPTION	POINT-OF USE AND/OR LOW FLOW	POINT-OF ENTRY
3222N or V	Clear 1/2 Size	✓	

For Homes with Three Baths or Less

3111N	Blue Full Size	✓	
3121N* or V	Clear Full Size	✓	

Long Life Filters - For Larger Homes

3323N**	Clear Double Length††	✓	
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†† Also available in blue bowl.

* The Model #21N housing used in this filter is tested and certified by NSF International under ANSI/NSF Standard 42 for material and structural integrity requirements.

** The Model #23N housing used in this filter is tested



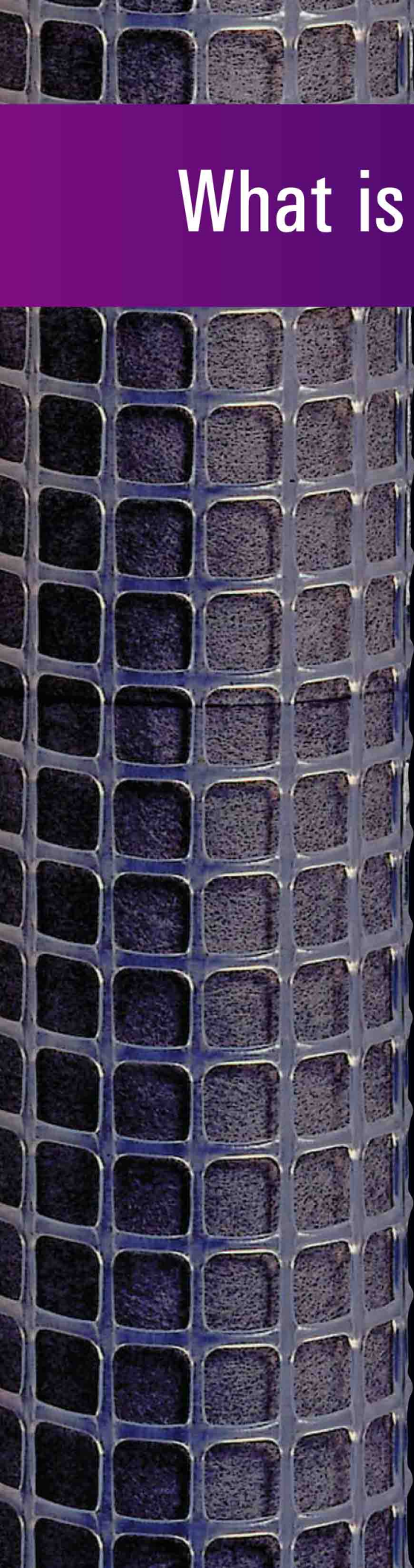
Specifications

MODEL NUMBER	MAXIMUM OPERATING TEMP. °F (°C)	MAXIMUM OPERATING PRESS. PSI (KSCM)	FLOW RATE GPM (LPM)	USES CARTRIDGE NUMBER	DIMENSIONS INCHES	SHIPPING WEIGHT LBS.
3111N	100 (38)	150 (10.5)	4 (15)	310	14.125 X 5.5	3.5
3121N*	100 (38)	150 (10.5)	4 (15)	310	14.125 X 5.5	3.5
3222N	100 (38)	150 (10.5)	2 (7.5)	320	9.25 X 5.5	3.0
3323N**	100 (38)	150 (10.5)	8 (30)	330	24.25 X 5.5	6.0
3121V†	100 (38)	125 (8.8)	4 (15)	310	14.625 X 5.5	4.5
3222V†	100 (38)	125 (8.8)	2 (7.5)	320	9.25 X 5.5	3.5

† Valve-in-Head models.

Replacement Cartridges

MODEL NUMBER	MICRON RATING	MAXIMUM OPERATING TEMP. °F (°C)	FLOW RATE GPM (LPM)	CARTRIDGE SIZE (IN.)	CLEAN PRESS. DROP PSI (KSCM)	SHIPPING WEIGHT/ CART. (OZ.)	NO. PER BAG
310	3	100 (38)	4 (15)	9.75 X 2.5	3.5 (.25)	7.0	2
320	3	100 (38)	2 (7.5)	4.875 X 2.5	3.5 (.25)	4.0	4
330	3	100 (38)	8 (30)	20.0 X 2.75	6.5 (.45)	13.5	1



What is CARBON FILTRATION?

Water in your home can contain contaminants such as chlorine, sulfur (rotten egg smell), volatile organic chemicals (VOC's) and other bad tastes or odors.

What can you do?

Activated carbon can be used as an effective method to adsorb various unpleasant contaminants, tastes and odors from your water. Carbon is an ideal means of eliminating these problems because it is an environmentally sound solution. Carbon is made from organic matter such as coconut shells, sawdust, coal and other natural materials.

Activated carbon filters are most effective when installed at point-of-use. Maximum contact time between the water and the carbon is critical for effective filtration.

Keystone offers a wide choice of filter models depending on the specific problem you want to solve.

Granular or "Loose" Carbon Filters

Problem:

Chemical contaminants such as TCE, PCB, Benzene or THM's in your water.

Solution:

Keystone's Series 3600 Granular Carbon (GAC) Filters.



The ability of activated carbon to adsorb unpleasant tastes and odors also applies to chemicals and THM's which are created when chlorine mixes with residue from decaying leaves. Our model 3621NA filter contains 42 cubic inches of FDA grade carbon to provide incredible adsorption capacity. This filter also provides a nominal degree of sediment filtration.

Volatile organic chemicals found in water (VOC's) include industrial cleaners, components of solvents, and gasoline. Changing the filter cartridge on a regular basis will insure that all of

Which Filter Should You Use?

For Homes with Three Baths or Less

MODEL NUMBER	DESCRIPTION	POINT-OF USE AND/OR LOW FLOW	POINT-OF ENTRY
3621NA(GAC)*	Clear Full Size	✓	

Long Life Filters - For Larger Homes

3623N(GAC)**	Clear Double Length††		✓
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†† Also available in blue bowl.

* The Model #21N housing used in this filter is tested and certified by NSF International under ANSI/NSF Standard 42 for material and structural integrity requirements.

** The Model #23N housing used in this filter is



Specifications

MODEL NUMBER	MAXIMUM OPERATING TEMP. °F (°C)	MAXIMUM OPERATING PRESS. PSI (KSCM)	FLOW RATE GPM (LPM)	USES CARTRIDGE NUMBER	DIMENSIONS INCHES	SHIPPING WEIGHT LBS.
3621NA(GAC)*	100 (38)	150 (10.5)	4 (15)	362A	14.125 X 5.5	4.5
3623N(GAC)**	100 (38)	150 (10.5)	8 (30)	363	24.25 X 5.5	7.0

Replacement Cartridges

MODEL NUMBER	MICRON RATING	MAXIMUM OPERATING TEMP. °F (°C)	FLOW RATE GPM (LPM)	CARTRIDGE SIZE (IN.)	SHIPPING WEIGHT/ CART. (OZ.)	NO. PER BAG
362A†	10	120 (49)	4 (15)	9.75 X 2.875	16.0	1
363	10	100 (38)	8 (30)	20.0 X 2.75	17.0	1

† Meets NSF Standard 42, Class 2 taste and odor removal for 5000 gallons @ 2½ gpm

Icemaker Taste & Odor Filter

Problem:

Cloudy, bad tasting ice cubes.

Solution:

A Keystone disposable granular activated carbon icemaker filter.



This small disposable unit can make your ice cubes look crystal clear and taste better. In addition, it offers a nominal degree of sediment filtration.

The Keystone unit comes with either brass (Model 3301) or plastic (Model 3301-P) fittings.

Specifications

MODEL NUMBER	MICRON RATING	MAXIMUM OPERATING TEMP. °F (°C)	FLOW RATE GPM (LPM)	CARTRIDGE SIZE (IN.)	CLEAN PRESSURE DROP PSI (KSCM)	SHIPPING WEIGHT/ CART. (OZ.)	NO. PER BAG
3301	10	100 (38)	1 (3.8)	6.0 X 2.0	3.5 (.25)	7.0	1
3301-P	10	100 (38)	1 (3.8)	6.0 X 2.0	3.5 (.25)	7.0	1

Recommended pH range is 6.0 to 8.0

High Performance Lead & Cyst Reduction Filter

Problem:

Do you have lead, chemical contaminants, giardia cysts or cryptosporidium in your water?

Solution:

A Keystone Series 9100 High Performance Lead Removal Filter.



The Keystone High Performance filter provides outstanding protection by acting as a barrier to virus causing organisms such as Giardia Cysts and cryptosporidium. When used properly, this filter is an economical and effective method of dealing with these problems or potential problems.

The Series 9100 filter includes a carbon center which effectively removes organic chemicals such as Trihalomethanes (THM's) and reduces objectionable tastes and odors, such as chlorine and sulfur, to non-detectible limits.

The Keystone Series 9100 High Performance filter reduces both soluble and insoluble lead levels to the EPA acceptable limit of 15 parts per billion (ppb) or below. Soluble lead is reduced by way of an ion exchange filter medium that works like a powerful strainer to filter out lead in solution. The insoluble lead is physically intercepted by a fine particulate filter layer.

Specifications

MODEL NUMBER	FILTER WEIGHT	CHLORINE CAPACITY	MICRON RATING	LEAD REDUCTION	INITIAL PRESSURE DROP @ FLOW
910	.85 lbs.	>6,000 gal. @ .75 gpm	1-2	2,500 gal @ .75 gpm	4.0 psid @ .75 gpm

Filter & Replacement Cartridge

MODEL NUMBER	PIPE SIZE	DIMENSIONS HEIGHT X DIAMETER	MAX OPER. TEMP	MAX. OPER. PRESSURE	FLOW RATE	SHIP WEIGHT
9121N*†	1/4"***	14.50" X 5.50"	125°F***	150 psi	.75 gpm	4.4 lbs.
Rep. Ctg. 910	—	9.75" X 2.50"	125°F	150 psi	.75 gpm	.85 lbs.

* Conforms to NSF Standard 53 for cyst and turbidity reduction.

† The Model #21N housing used in this filter is tested and certified by NSF International under ANSI/NSF

Standard 42 for material and structural integrity requirements.

** Installation is recommended using 1/4" plastic tubing. Housing has 3/4" NPT inlet and outlet connections.

*** Install on cold water line only.

CAUTION: Not to be used where the water is microbiologically unsafe or with water of unknown quality.



Glossary

Adsorption: To take in or drink in, as a sponge imbibes water. Ability to adhere gases, liquids and other matter to a surface or exposed pores.

Absorption: Ability to take in or assimilate gases, liquids and other matter into a structure.

Activated Carbon Adsorption: Removal of soluble components from water by contact with adsorptive granular or powered carbon.

Chlorine: A gas widely used in the disinfection of water.

Flow Rate: Quantity of water which passes a given point period of time. Flow rate is expressed as gallons per minute.

Giardia Cyst: A cyst, 4 to 12 microns in size, that can cause various digestive problems such as diarrhea and vomiting.

MCL (Maximum Contaminant Level): Applicable for public water systems.

Micron: A linear measure equal to one millionth of a meter or 1/25,000 of an inch. The smallest particle that can be seen by the human eye is 40 microns. Human hair is generally 50 to 75 microns in width.

TCE (Trichloroethylene): A volatile organic contaminant. MCL = 0.005 mg/l.

THM: Organic chemicals suspected of being carcinogenic. Formed in water when chlorine reacts with decayed vegetation. Chloroform is a common THM. MCL = 0.005 mg/l.

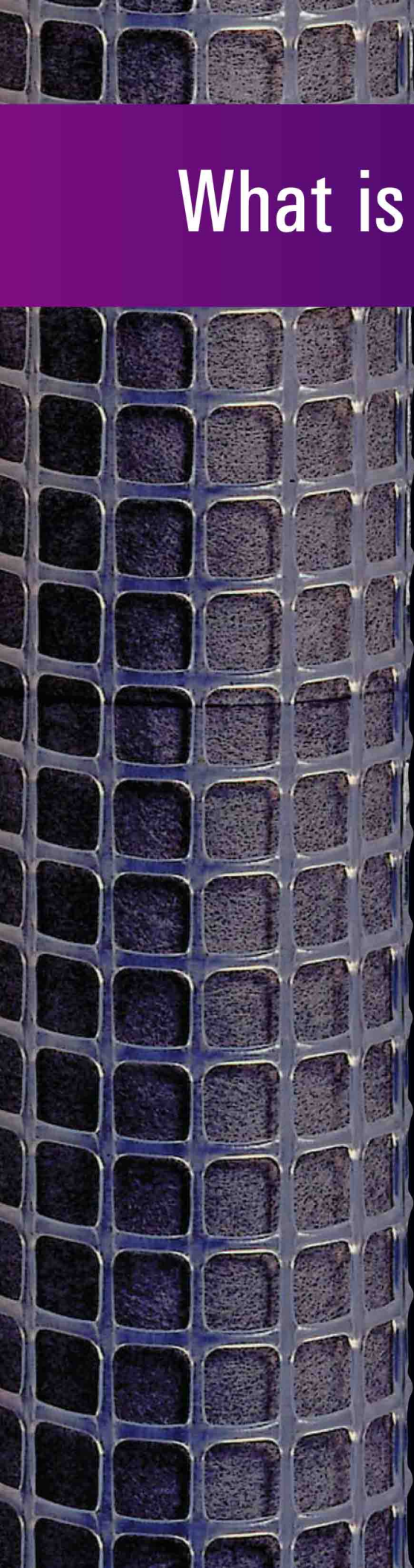
VOC (Volatile Organic Chemical): Any one of a large number of organic chemicals that can be found in a water supply.

Warnings

Operating conditions can change performance. Actual results will vary depending on combinations and amounts of organic contaminants, changes in pH or other conditions encountered in actual use.

USE KEYSTONE FILTERS ONLY WITH MICROBIOLOGICALLY SAFE WATER.

All information presented here is based on data believed to be reliable. It is offered for evaluation and verification, but is not considered to be a warranty of any kind.



What is CARBON FILTRATION?

Water in your home can contain contaminants such as chlorine, sulfur (rotten egg smell), volatile organic chemicals (VOC's) and other bad tastes or odors.

What can you do?

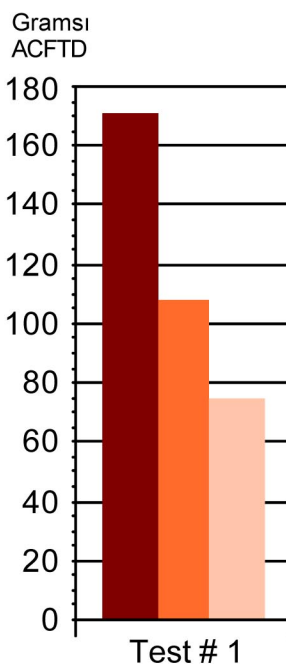
Activated carbon can be used as an effective method to adsorb various unpleasant contaminants, tastes and odors from your water. Carbon is an ideal means of eliminating these problems because it is an environmentally sound solution. Carbon is made from organic matter such as coconut shells, sawdust, coal and other natural materials.

Activated carbon filters are most effective when installed at point-of-use. Maximum contact time between the water and the carbon is critical for effective filtration.

Keystone offers a wide choice of filter models depending on the specific problem you want to solve.



Holding Capacity in AC Fine Test Dust (Dirt)



■ Keystone Pleated
■ Competitive String Wound
■ Competitive Resin Bonded

*The Model #21N housing used in this filter is tested and certified by NSF International under ANSI/NSF Standard 42 for material and structural integrity requirements.

**The Model #23N housing used in this filter is tested and certified by NSF International under ANSI/NSF Standard 42 for material and structural integrity requirements.



Fine Sediment Filtration

Problem

Particulates in your **cold** water.

Solution

A Keystone 5 micron or 10 micron sediment removal filter.

A single 5 to 10 micron particle of sediment cannot be seen by the naked eye. In large numbers, they become noticeable and objectionable.

Keystone sediment filters utilize a pleated cartridge to provide a large amount of filtration surface area and greater dirt holding capacity. In water and water-like liquids, dirt is trapped on the outside surfaces of the filter cartridge. The large surface area of a pleated cartridge greatly increases the life of the filter and allows our filters to perform in the same manner as the hard working, long lasting air and oil filters in your car. Independent tests prove that a pleated cartridge will last 2 to 3 times longer than other types of sediment cartridges.

A 5 micron filter cartridge provides adequate filtration for most situations. Keystone's addition of a small amount of polyester to the pleated media extends the cartridge life by adding strength for high pressure situations.

Which 5 Micron Filter Should You Use?

For Condos, Apartments

MODEL#	DESCRIPTION	POINT-OF USE AND/OR LOW FLOW	POINT-OF ENTRY
1222N	Clear 1/2 size	✓	

For Homes with Three Baths or Less

MODEL #	DESCRIPTION	POINT-OF USE	POINT-OF ENTRY
1111N	Blue Full Size		✓
1121N*	Clear Full Size		✓
1121V	Clear Full Size Valve-in-Head		✓

Long Life Filters — For Larger Homes

MODEL #	DESCRIPTION	POINT-OF USE	POINT-OF ENTRY
1323N**	Clear Double Length		✓
1323V	Clear Double Length Valve-in-Head		✓

Specifications

MODEL NUMBER	MAXIMUM OPERATING TEMP. °F (°C)	MAXIMUM OPERATING PRESS. PSI (KSCM)	FLOW RATE GPM (LPM)	USES CARTRIDGE NUMBER	DIMENSIONS INCHES	SHIPPING WEIGHT LBS.
1111N	125(52)	150(10.5)	10(38)	110	14.125 x 5.5	3.5
1121N*	125(52)	150(10.5)	10(38)	110	14.125 x 5.5	3.5
1323N**	125(52)	150(10.5)	20(76)	130	24.25 x 5.5	5.0
1222N	125(52)	150(10.5)	5(19)	120	9.25 x 5.5	2.5
1121V	125(52)	125(8.8)	10(38)	110	14.625 x 5.5	4.0
1323V	125(52)	150(10.5)	20(76)	130	24.75 x 5.5	6.0

Replacement Cartridges

MODEL NUMBER	MICRON RATING	MAXIMUM OPERATING TEMP. °F (°C)	FLOW RATE GPM (LPM)	CARTRIDGE SIZE (IN.)	CLEAN PRESSURE DROP PSI (KSCM)	SHIPPING WEIGHT/ CART. OZ.	NO. PER BAG
110	5	200(94)	10(38)	9.75 X 2.5	2.0 (.14)	4.5	2
120	5	200(94)	5(19)	4.875 X 2.5	1.5 (.11)	3.0	4
130	5	200(94)	20(76)	20.0 X 2.75	3.0 (.22)	9.0	1

All-Purpose Carbon Block

Problem:

Are you concerned with multiple water problems?

Solution:

A Keystone Series 9000 Filter for sediment and taste/odor removal.



If your preference is carbon block filters, Keystone offers two choices:

- #900 • High capacity chlorine reduction up to 20,000 gallons @ 1.0 GPM
 - High chemical absorption capacity, VOC reduction
 - 2 micron sediment efficiency
- #902 • Our most economical carbon block
 - Chlorine reduction up to 3750 gallons @ 1.0 GPM
 - Highest carbon block flow rate capacity
 - 10 micron filtration capacity

Specifications

MODEL NUMBER	FILTER WEIGHT	CHLORINE CAPACITY	MICRON	INITIAL PRESSURE DROP@FLOW	TEMP	PRESSURE	DIMENSIONS O.D. X LENGTH
900	.75 lb >	20,000 gal @ 1.0 gpm	2	3.5 psid @ 1.0 gpm	125°F	150	2.50 X 9.75
902	.75 lb >	3,750 gal @ 1.0 gpm	10	0.75 psid @ 1.0 gpm	125°F	150	2.50 X 9.75

High-Flow Carbon Filters

Problem:

Are you looking to remove tastes and odors throughout your entire house?

Solution:

Keystone GIANT Series Carbon Filters for taste, odor and chemical contaminant removal at a maximum flow rate.



Keystone offers a wide selection of higher flow carbon filters including the NEW Model G310, a GIANT (4 1/2" OD) version of Keystone's standard economical wound carbon cartridge (#310).

See Bulletin G310.

Now ORDER Keystone products ONLINE at www.thomasregister.com/keystonefilter



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Web Sites: www.keystonefilter.com



MEMBER

Economical Taste & Odor Filters

Problem:

Unpleasant tastes and odors, such as chlorine and/or sulfur (rotten egg), in your drinking water.

Solution:

The Keystone Economical Series 3000 Taste/Odor Filter.



This filter cartridge is made of activated carbon which is proven to remove bad tastes and odors by adsorption. The Series 3000 series filter is tightly wound and uses very fine activated carbon particles to maximize adsorption efficiency. The filter also provides

Activated carbon works best when it has sufficient contact time with the water. For best performance, filters must be properly sized and located. **If you need help determining the correct filter to use, see chart below or contact our Customer Service Department at 1-800-822-1963 or email us at filters@keystone-filter.com.**

It is very important to maintain your filter properly by changing the cartridge on a regular basis. You will find that the life of your filter cartridges can vary depending on the amount of chlorine added to the water supply in your area. The best way to determine when your taste/odor cartridge needs to be changed is to wait until the offending taste/odor returns. If your problem is minimal or your water usage is low, the cartridge should be replaced at least once a year.

Which Filter Should You Use?

For Condos, Apartments

MODEL NUMBER	DESCRIPTION	POINT-OF USE AND/OR LOW FLOW	POINT-OF ENTRY
3222N or V	Clear 1/2 Size	✓	

For Homes with Three Baths or Less

3111N	Blue Full Size	✓	
3121N* or V	Clear Full Size	✓	

Long Life Filters - For Larger Homes

3323N**	Clear Double Length††	✓	
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†† Also available in blue bowl.

* The Model #21N housing used in this filter is tested and certified by NSF International under ANSI/NSF Standard 42 for material and structural integrity requirements.

** The Model #23N housing used in this filter is tested



Specifications

MODEL NUMBER	MAXIMUM OPERATING TEMP. °F (°C)	MAXIMUM OPERATING PRESS. PSI (KSCM)	FLOW RATE GPM (LPM)	USES CARTRIDGE NUMBER	DIMENSIONS INCHES	SHIPPING WEIGHT LBS.
3111N	100 (38)	150 (10.5)	4 (15)	310	14.125 X 5.5	3.5
3121N*	100 (38)	150 (10.5)	4 (15)	310	14.125 X 5.5	3.5
3222N	100 (38)	150 (10.5)	2 (7.5)	320	9.25 X 5.5	3.0
3323N**	100 (38)	150 (10.5)	8 (30)	330	24.25 X 5.5	6.0
3121V†	100 (38)	125 (8.8)	4 (15)	310	14.625 X 5.5	4.5
3222V†	100 (38)	125 (8.8)	2 (7.5)	320	9.25 X 5.5	3.5

† Valve-in-Head models.

Replacement Cartridges

MODEL NUMBER	MICRON RATING	MAXIMUM OPERATING TEMP. °F (°C)	FLOW RATE GPM (LPM)	CARTRIDGE SIZE (IN.)	CLEAN PRESS. DROP PSI (KSCM)	SHIPPING WEIGHT/ CART. (OZ.)	NO. PER BAG
310	3	100 (38)	4 (15)	9.75 X 2.5	3.5 (.25)	7.0	2
320	3	100 (38)	2 (7.5)	4.875 X 2.5	3.5 (.25)	4.0	4
330	3	100 (38)	8 (30)	20.0 X 2.75	6.5 (.45)	13.5	1

Granular or "Loose" Carbon Filters

Problem:

Chemical contaminants such as TCE, PCB, Benzene or THM's in your water.

Solution:

Keystone's Series 3600 Granular Carbon (GAC) Filters.



The ability of activated carbon to adsorb unpleasant tastes and odors also applies to chemicals and THM's which are created when chlorine mixes with residue from decaying leaves. Our model 3621NA filter contains 42 cubic inches of FDA grade carbon to provide incredible adsorption capacity. This filter also provides a nominal degree of sediment filtration.

Volatile organic chemicals found in water (VOC's) include industrial cleaners, components of solvents, and gasoline. Changing the filter cartridge on a regular basis will insure that all of

Which Filter Should You Use?

For Homes with Three Baths or Less

MODEL NUMBER	DESCRIPTION	POINT-OF USE AND/OR LOW FLOW	POINT-OF ENTRY
3621NA(GAC)*	Clear Full Size	✓	

Long Life Filters - For Larger Homes

3623N(GAC)**	Clear Double Length††		✓
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†† Also available in blue bowl.

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** The Model #23N housing used in this filter is



Specifications

MODEL NUMBER	MAXIMUM OPERATING TEMP. °F (°C)	MAXIMUM OPERATING PRESS. PSI (KSCM)	FLOW RATE GPM (LPM)	USES CARTRIDGE NUMBER	DIMENSIONS INCHES	SHIPPING WEIGHT LBS.
3621NA(GAC)*	100 (38)	150 (10.5)	4 (15)	362A	14.125 X 5.5	4.5
3623N(GAC)**	100 (38)	150 (10.5)	8 (30)	363	24.25 X 5.5	7.0

Replacement Cartridges

MODEL NUMBER	MICRON RATING	MAXIMUM OPERATING TEMP. °F (°C)	FLOW RATE GPM (LPM)	CARTRIDGE SIZE (IN.)	SHIPPING WEIGHT/ CART. (OZ.)	NO. PER BAG
362A†	10	120 (49)	4 (15)	9.75 X 2.875	16.0	1
363	10	100 (38)	8 (30)	20.0 X 2.75	17.0	1

† Meets NSF Standard 42, Class 2 taste and odor removal for 5000 gallons @ 2½ gpm

Icemaker Taste & Odor Filter

Problem:

Cloudy, bad tasting ice cubes.

Solution:

A Keystone disposable granular activated carbon icemaker filter.



This small disposable unit can make your ice cubes look crystal clear and taste better. In addition, it offers a nominal degree of sediment filtration.

The Keystone unit comes with either brass (Model 3301) or plastic (Model 3301-P) fittings.

Specifications

MODEL NUMBER	MICRON RATING	MAXIMUM OPERATING TEMP. °F (°C)	FLOW RATE GPM (LPM)	CARTRIDGE SIZE (IN.)	CLEAN PRESSURE DROP PSI (KSCM)	SHIPPING WEIGHT/ CART. (OZ.)	NO. PER BAG
3301	10	100 (38)	1 (3.8)	6.0 X 2.0	3.5 (.25)	7.0	1
3301-P	10	100 (38)	1 (3.8)	6.0 X 2.0	3.5 (.25)	7.0	1

Recommended pH range is 6.0 to 8.0

High Performance Lead & Cyst Reduction Filter

Problem:

Do you have lead, chemical contaminants, giardia cysts or cryptosporidium in your water?

Solution:

A Keystone Series 9100 High Performance Lead Removal Filter.



The Keystone High Performance filter provides outstanding protection by acting as a barrier to virus causing organisms such as Giardia Cysts and cryptosporidium. When used properly, this filter is an economical and effective method of dealing with these problems or potential problems.

The Series 9100 filter includes a carbon center which effectively removes organic chemicals such as Trihalomethanes (THM's) and reduces objectionable tastes and odors, such as chlorine and sulfur, to non-detectible limits.

The Keystone Series 9100 High Performance filter reduces both soluble and insoluble lead levels to the EPA acceptable limit of 15 parts per billion (ppb) or below. Soluble lead is reduced by way of an ion exchange filter medium that works like a powerful strainer to filter out lead in solution. The insoluble lead is physically intercepted by a fine particulate filter layer.

Specifications

MODEL NUMBER	FILTER WEIGHT	CHLORINE CAPACITY	MICRON RATING	LEAD REDUCTION	INITIAL PRESSURE DROP @ FLOW
910	.85 lbs.	>6,000 gal. @ .75 gpm	1-2	2,500 gal @ .75 gpm	4.0 psid @ .75 gpm

Filter & Replacement Cartridge

MODEL NUMBER	PIPE SIZE	DIMENSIONS HEIGHT X DIAMETER	MAX OPER. TEMP	MAX. OPER. PRESSURE	FLOW RATE	SHIP WEIGHT
9121N*†	1/4"***	14.50" X 5.50"	125°F***	150 psi	.75 gpm	4.4 lbs.
Rep. Ctg. 910	—	9.75" X 2.50"	125°F	150 psi	.75 gpm	.85 lbs.

* Conforms to NSF Standard 53 for cyst and turbidity reduction.

† The Model #21N housing used in this filter is tested and certified by NSF International under ANSI/NSF

Standard 42 for material and structural integrity requirements.

** Installation is recommended using 1/4" plastic tubing. Housing has 3/4" NPT inlet and outlet connections.

*** Install on cold water line only.

CAUTION: Not to be used where the water is microbiologically unsafe or with water of unknown quality.



Glossary

Adsorption: To take in or drink in, as a sponge imbibes water. Ability to adhere gases, liquids and other matter to a surface or exposed pores.

Absorption: Ability to take in or assimilate gases, liquids and other matter into a structure.

Activated Carbon Adsorption: Removal of soluble components from water by contact with adsorptive granular or powered carbon.

Chlorine: A gas widely used in the disinfection of water.

Flow Rate: Quantity of water which passes a given point period of time. Flow rate is expressed as gallons per minute.

Giardia Cyst: A cyst, 4 to 12 microns in size, that can cause various digestive problems such as diarrhea and vomiting.

MCL (Maximum Contaminant Level): Applicable for public water systems.

Micron: A linear measure equal to one millionth of a meter or 1/25,000 of an inch. The smallest particle that can be seen by the human eye is 40 microns. Human hair is generally 50 to 75 microns in width.

TCE (Trichloroethylene): A volatile organic contaminant. MCL = 0.005 mg/l.

THM: Organic chemicals suspected of being carcinogenic. Formed in water when chlorine reacts with decayed vegetation. Chloroform is a common THM. MCL = 0.005 mg/l.

VOC (Volatile Organic Chemical): Any one of a large number of organic chemicals that can be found in a water supply.

Warnings

Operating conditions can change performance. Actual results will vary depending on combinations and amounts of organic contaminants, changes in pH or other conditions encountered in actual use.

USE KEYSTONE FILTERS ONLY WITH MICROBIOLOGICALLY SAFE WATER.

All information presented here is based on data believed to be reliable. It is offered for evaluation and verification, but is not considered to be a warranty of any kind.