

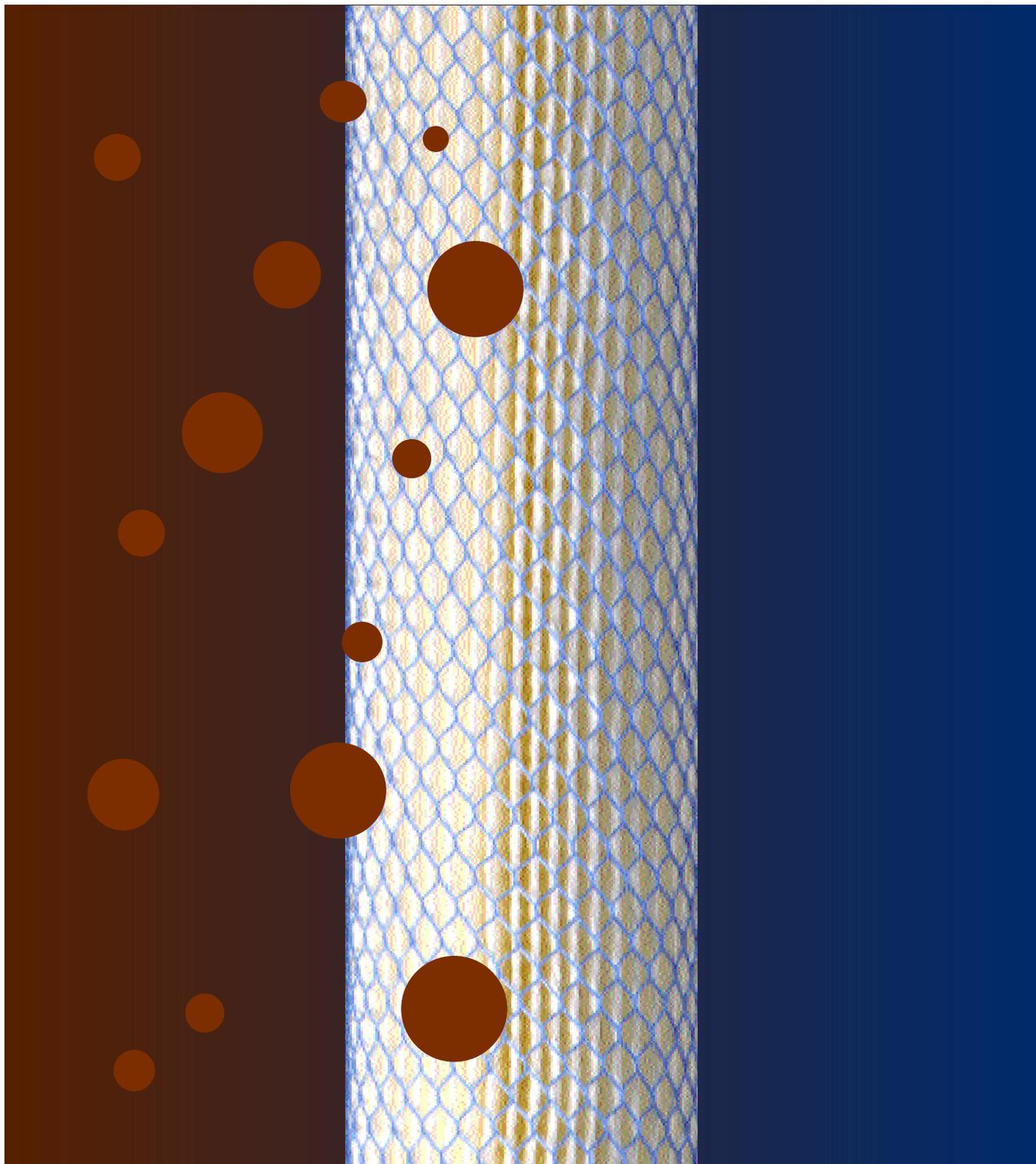
BULLETIN KF-2S

WATER FILTERS & REPLACEMENT CARTRIDGES

FOR SEDIMENT REMOVAL



Keystone Filter



What is Sediment Filtration?

The water in your home can contain dirt, grime, sand, rust particles, mud and many other substances that make it unfit—or even dangerous—to drink.

What can you do?

Keystone Filter offers a wide choice of filter models depending on how small the particles are that you want to remove from your water. The finer the filter cartridge material, the more completely will solid particles be removed from the water. Finer filtration also causes a greater resistance to flow which will result in a drop in water pressure. The correct filter for you will provide a large filtering surface and will allow an adequate flow of filtered water to reach your faucet, shower or other point-of-use.

The amount of filter area is a key factor in ensuring proper flow rates as well as total filtering capacity. We will be happy to help you select the best choice for your specific filtration need.

All of Keystone Filter's most popular models are sold as complete units including a housing with a pleated cartridge inside. We recommend pleated cartridges for sediment removal because they provide much more dirt holding capacity than other models.

Test data for a typical Keystone pleated sediment filter and specifications for all models are included in this bulletin.

If you require more capacity than this line of filters can provide or have a water filtration problem in addition to, or other than, sediment, please request additional literature or **call 1-888-822-1963, 24 hours a day**, for help with your specific need. Our extensive line of filters is bound to include a unit that will solve your problem.

Filter changeout is dependent on the amount of dirt in your water and your water usage. A change in your water flow is the best indicator that your filter cartridge needs to be changed. We also offer our filters with a color-coded pressure gauge to let you know when it is time to replace your cartridge. Sediment filter cartridges should be changed at least once a year under normal conditions.

Filters can be purchased with wall bracket and/ or bowl wrench as accessories.

Glossary

Depth Filter Cartridge: A non-pleated filter whose effectiveness is based on the formation of a “cake” or multiple layers of dirt. As dirt builds a “cake”, depth filters become more effective.

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

Pleated Filter Cartridge: Media has the appearance of a paper fan with multiple folds. Effectiveness is based on amount of surface area.

Point-of Entry: Point at which the water supply enters a house/facility — most often the basement of a home.

Point-of-Use: Refers to actual location where water is used — usually kitchen or bathroom faucet

Potable Water: Water which is safe for human consumption.

Resin Bonded Cartridge: A depth cartridge constructed of a drinking water resin.

String Wound Cartridge: Constructed by wrapping layers of string or yarn around a center tube. Effectiveness is based on the number of layers and weight of string.



Fine Sediment Filtration

Problem

Particulates in your **cold** water.

Solution

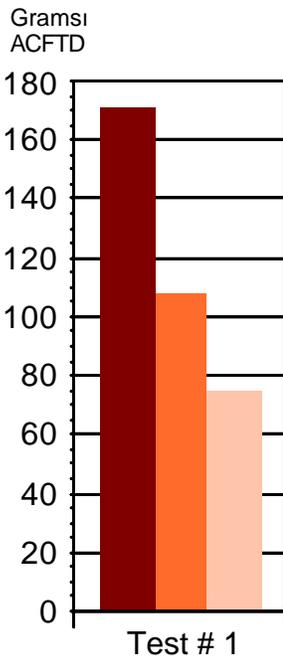
A Keystone 5 micron or 10 micron sediment removal filter.

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.

Holding Capacity in AC Fine Test Dust (Dirt)



- Keystone Pleated
- Competitive String Wound
- Competitive Resin Bonded

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

*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.





Which 10 Micron Filter Should You Use?

For Condos, Apartments and Homes with Maximum of Three Baths

MODEL #	DESCRIPTION	POINT-OF USE	POINT-OF ENTRY
2111N	Blue Full Size		✓
2121N*	Clear Full Size		✓
2121V	Clear Full Size Valve-in-Head		✓

Long Life Filters — For Larger Homes

MODEL #	DESCRIPTION	POINT-OF USE	POINT-OF ENTRY
2323N**	Clear Double Length		✓
2323V	Clear Double Length Valve-in-Head		✓

Specifications

MODEL NUMBER	MAXIMUM OPERATING TEMP. °F (°C)	OPERATING PRESS. PSI (KSCM)	FLOW RATE GPM (LPM)	USES CARTRIDGE NUMBER	DIMENSIONS INCHES	SHIPPING WEIGHT LBS.
2111N	125(52)	150(10.5)	10(38)	210	14.125 x 5.5	3.5
2121N*	125(52)	150(10.5)	10(38)	210	14.125 x 5.5	3.5
2323N**	125(52)	150(10.5)	20(76)	230	24.25 x 5.5	5.0
2111V	125(52)	125(8.8)	10(38)	210	14.625 x 5.5	4.0
2121V	125(52)	125(8.8)	10(38)	210	14.625 x 5.5	4.0
2323V	125(52)	125(8.8)	20(76)	230	24.75 x 5.5	6.0

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**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.



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
210	10	125(52)	10(38)	9.75 X 2.5	2.0 (.14)	4.5	2
230	10	125(52)	20(76)	20.0 X 2.75	3.0 (.22)	9.0	1

A Note to Non-Pleated Cartridge Users

Keystone can fulfill many of your non-pleated cartridge needs including string wound, spun bonded and resin bonded depth cartridges.

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.



Extra Fine Sediment Filtration

Problem

Extra fine dirt, dust and particulates in your water.

Solution

The Keystone 1 micron sediment filter cartridge is the same pleated construction as our 5 and 10 micron cartridges. This is our most tightly woven cartridge for home water applications. **Service life will be greatly reduced if heavy sediment, such as sand, is in your water.**

Which 1 Micron Filter Should You Use?

For Condos, Apartments

MODEL#	DESCRIPTION	POINT-OF USE AND/OR LOW FLOW	POINT-OF ENTRY
1022N	Clear 1/2 size	✓	

For Homes with Three Baths or Less

MODEL #	DESCRIPTION	POINT-OF USE	POINT-OF ENTRY
1011N	Blue Full Size		✓
1021N*	Clear Full Size		✓

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.
1011N	125(52)	150(10.5)	10(38)	101	14.125 x 5.5	3.5
1021N*	125(52)	150(10.5)	10(38)	101	14.125 x 5.5	3.5
1022N	125(52)	150(10.5)	5(19)	121	9.25 x 5.5	2.5

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**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.



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
101	1	125(52)	10(38)	9.75 X 2.5	2.0 (.14)	4.5	2
121	1	125(52)	10(38)	4.875 X 2.5	1.5 (.11)	3.0	4



Heavy Sediment Filtration

Keystone also offers replacement cartridges for sand and heavy—25 to 50 micron—sediment removal. Each of these cartridges can be used in Keystone's full size housings. **Call 1-800-822-1963 to request additional information.**

Replacement Cartridges

MODEL NUMBER	DESCRIPTION	MICRON SIZE	CARTRIDGE SIZE IN.	MAXIMUM OPERATING TEMP. °F (°C)	MAXIMUM OPERATING PRESS. PSI (KSCM)	FLOW RATE GPM (LPM)	SHIPPING WEIGHT OZ.
525	Cellulose	25 Mic/Pleated	9.75 X 2.5	125(52)	150(10.5)	10(38)	5.5
550	Polyester	50 Mic/Pleated	9.75 X 2.5	200(94)	150(10.5)	10(38)	5.5
550P	Cellulose	50 Mic/Pleated	9.75 X 2.5	125(52)	150(10.5)	10(38)	5.5



Hot Water/ High Pressure Sediment Filtration

The following units consist of a 5 micron fine particle removal cartridge in a glass reinforced nylon housing for hot water/high pressure applications. These filters can withstand temperatures to 180°F and pressures to 200 psi. They have the same sediment removal capabilities as our standard sediment units.

Which High Temperature Filter Should You Use?

For Condos, Apartments

MODEL #	DESCRIPTION	POINT-OF USE AND/OR LOW FLOW	POINT-OF ENTRY
1232	Red 1/2 size	✓	

For Homes with Three Baths or Less

MODEL #	DESCRIPTION	POINT-OF USE	POINT-OF ENTRY
1131	Red Full Size		✓

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.
1131	180(82)	200(14)	10(38)	110	12.63 x 5	3.6
1232	180(82)	200(14)	10(38)	120	7.75 x 5	2.6

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



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2385 North Penn Road, Hatfield, PA 19440
 1-800-822-1963; FAX 215-997-1839; E-mail: filters@keystonefilter.com
 Web Sites: www.keystonefilter.com

