

Product Catalog

Six design and manufacturing techniques that set Omnipure Filters apart.

Patented spring disc and inlet filter pad keep media under ideal pressure and ensure an equidistant linear path.

Only the highest quality media is used with specific filtering capabilities.

Threaded connections are precision cut rather than molded.

Multi-stage outlet screens & filtration pads ultrasonically welded into place.

Cap and body are spin-welded together without the use of glues or binders.

Injection molded, FDA approved, virgin polypropylene cap and body.



The best inline water filter in the world...
Pure and Simple.™

Engineering



The Cornerstone of Omnipure's Success

Through the years one thing has sustained our business - a product that performs as promised in the field. It is as simple as that. **No bells. No Whistles. Our filters work.**

Every Omnipure filter design is based on sound engineering acquired through years of research, testing, and experience. Engineering expertise is a major factor in the manufacturing process. The same Professionals who design the filters help to perfect the manufacturing process. As a result, every filter that comes off the manufacturing line is the end product of professional engineering, careful testing, and conscientious workmanship.

The assets of an Omnipure filter are:

Point-of-Use

Unobtrusively added to the water source quickly and easily.

Disposable

The filter is a self contained capsule that is simply discarded at the end of service life. NO mess. No hassles.

Inexpensive

A point-of-use filter makes for cost-effective water filtration. By filtering only potable water, the user saves a tremendous amount of money over whole-house filtration. Using an Omnipure filter results in great tasting, sediment-free water for pennies on the gallon.

Functional

Depending on the media, Omnipure filters can address aesthetics (taste, odor, color), lead, cysts, sand, grit, and dissolved solids that are associated with hard water and more. Omnipure filters are designed to be exceedingly fast and easy to install (as opposed to a whole-house system). Replacing a filter can be done in a matter of seconds, depending on the model, without the use of tools. Put simply, the end user can purchase a filter, install it, and have a refreshing, healthful drinking water in a matter of minutes.

Omnipure filters are engineered with the end user in mind. Our manufacturing process has been developed over a 35- year period and gives us the experience needed to develop, engineer, and manufacture products that can be expected to perform in the field, time after time.



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Commercial Applications

Applications for Carbonated Beverages and Ice Machines



From the beginning, Omnipure products have found a variety of applications in the commercial water filtration world. Primarily, Omnipure products are used for the elimination or reduction of undesirable taste and odor in drinking water through the use of Granular Activated Carbon (GAC). Our filters are also available with media designed to control silt, sand, grit, and the dissolved solids that are associated with “hard water”.

The addition of carbon block technology has expanded the use of Omnipure products in commercial applications as well. The inherent attributes of carbon block (ultrafine filtration down to one micron, the elimination or reduction of carbon fines, etc.) made it ideal for use in food service and commercial beverage applications.

Overall, Omnipure products are an ideal point-of-use filtration product for stand-alone use or as components within more comprehensive filtration systems.

Commercial Beverage Industry

In today’s world of the “*specialty beverage*,” Omnipure products have found themselves utilized not only for producing better tasting water but increasingly for use in the protection of the expensive equipment that produces these beverages, such as commercial coffee machines, espresso machines or ice machines. Omnipure has a variety of filter bodies that are well accepted by the beverage industry because of their ease of installation and replacement as well as their excellent cost-to-performance ratio.

Vending Machines

Omnipure has recently introduced two new filter bodies specifically for the vending machine industry. The E-series replacement body for existing permanent heads and the two piece Q-series with the Twist Tap™ shut-off valve system. Each are as easy to replace as a light bulb and are available for either water polishing or equipment protection. These products are ideal for the vending machine industry where the speed and ease of filter replacement is critical.

Food Service

As water is the main ingredient in many dishes, the food service industry has come to recognize that better tasting water greatly benefits fine cuisine. Omnipure manufactures a variety of products for us in food service applications that are extremely easy to install and replace while remaining safe and sanitary. Products can be used in conjunction with other filtration products or as stand-alone, water polishing products.



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Residential Applications



Introduced in 1970, the CL-Series was the first small, disposable, point-of-use(POU) water filter in the world. Utilizing granular activated carbon (GAC), these cost-effective units found a ready market in areas such as under-the-counter and ice machine filtration. As the market has grown, Omnipure has supplemented the CL-Series with other filter bodies that, while retaining the basic designs that made the CL-Series the benchmark of the industry, add functionality to the original product. Omnipure has added various media options to the line that address specific water problems such as silt, sand or scaling.

The concept of point-of-use filtration has always been an ideal solution for many residential applications. Original product installation does not require any major plumbing alterations and, with the newer Omnipure filter bodies in particular, filter replacement can be handled in a matter of seconds.

Today, you will find Omnipure products used in virtually any situation where better tasting, sediment free water is important. Whether as stand-alone units or used as a component in complete systems such as reverse osmosis, Omnipure products are recognized as the most cost-effective, best designed and most reliable inline water filter in the world.

Potable Water Filtration

In the 1970's the United States Government passed legislation requiring all municipalities to provide disinfected drinking water to residents. Chlorine, the agent utilized by most cities, can cause undesirable tastes and odors in tap water. Omnipure GAC products are designed to reduce or eliminate these undesirable tastes and odors rendering the tap water clear, tasteless, and odorless. Additionally, while Omnipure does not claim any health benefits from filtered water, many experts believe that clean, chlorine-reduced water is beneficial to health.

Omnipure produces units that can be used for both under the counter and countertop applications. All products are easy to install and replacement is fast and sanitary.

System Components

Omnipure products are often used as components in complete water filtration systems. While Omnipure Filter Company does not manufacture complete systems, many original equipment manufacturers choose only Omnipure filters for their systems.

Reverse Osmosis(RO) System manufacturers find Omnipure filters ideal for inclusion in their systems because of the uniform body sizes and shapes that can perform the function of a sediment filter, pre-carbon filter, RO. membrane filter body and post-carbon water polishing filter. Manufacturers know that system maintenance is quick and easy.

Manufacturers often choose Omnipure because of the wide array of filtration media alternatives that can address specific water conditions such as protection from scaling and girt or ultra-fine filtration available only from carbon block technology. They find our products easy to integrate into their systems and that product reliability is unsurpassed.

Residential Applications

In today's modern home, many appliances are plumbed directly into the water delivery system. Refrigerators, ice machines, and coffee machines may have a direct line to the water source. Omnipure filtration products are ideal for protecting these expensive items and can also reduce or eliminate undesirable tastes and odors in the water. Many manufacturers install Omnipure filters on their appliances at the factory and specify that Omnipure products be used upon replacement.



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The CL-Series

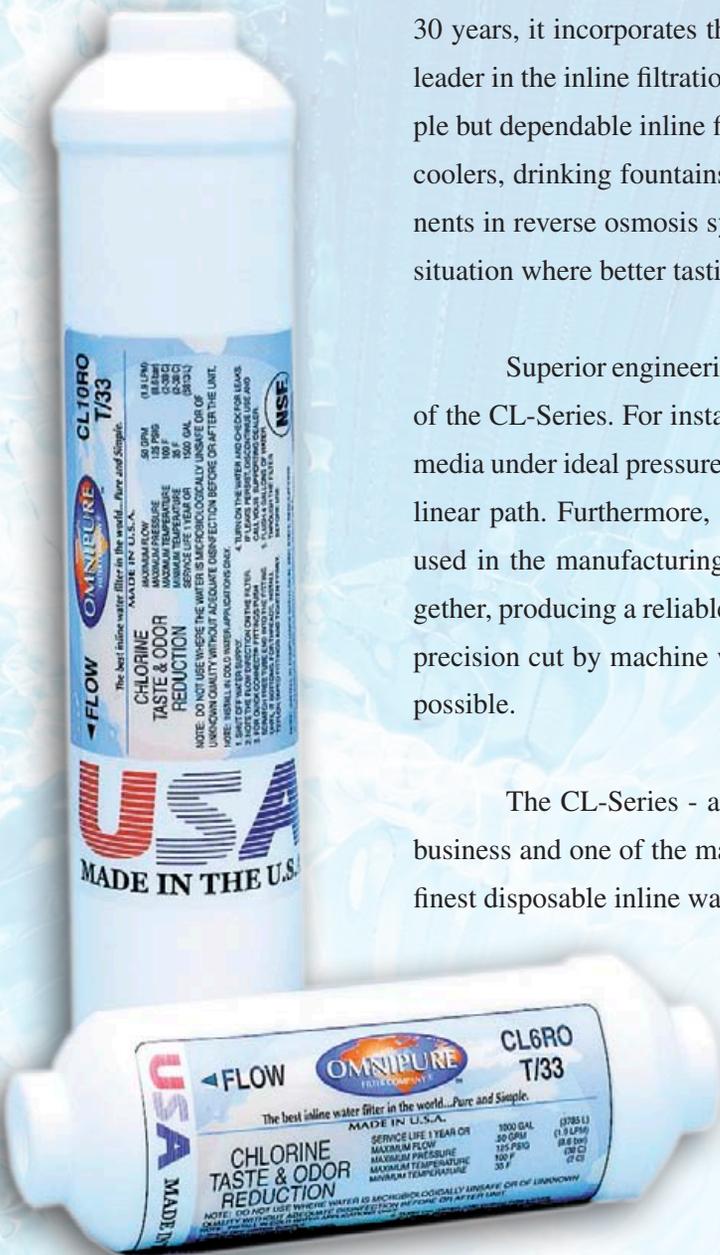
The classic CL-Series has been an industry standard for over 30 years.



Though the basic configuration of the CL-Series hasn't changed in over 30 years, it incorporates the design innovations that have made OMNIPURE the leader in the inline filtration industry. Customers have come to rely upon this simple but dependable inline filter for a variety of uses including ice machines, water coolers, drinking fountains, as well as under-the-sink applications and as components in reverse osmosis systems. You will find a use for this filter in virtually any situation where better tasting water is important.

Superior engineering and production techniques are the keys to the success of the CL-Series. For instance, each filter utilized a unique spring disc that keeps media under ideal pressure, eliminating channeling and ensuring an equal distance linear path. Furthermore, no glues or binders that may cause contamination are used in the manufacturing process. Instead, components are friction-welded together, producing a reliable, no-leak seal. And finally, all threaded connections are precision cut by machine with results in the more accurate and repeatable thread possible.

The CL-Series - a tried and true product that remains a vital part of our business and one of the main reasons why OMNIPURE filters are considered the finest disposable inline water filter ever manufactured.



The K-Series

With the innovative Quick-Connect™ Fittings.



The success of the K-Series filter is directly attributable to the innovative Quick-Connect™ fittings that are incorporated into the design. These fittings are unique in two ways. First, they allow for the installation of the inline filter in a matter of seconds. Inlet and outlet tubes are simply snapped into place and secured using a patented collet system. Second, the fittings are molded directly into the filter body and cap as a single unit. This reduces the chance for weeping or seepage. Cap and body are spin-welded together producing a smooth, consistent seal without the use of glues or binders that can cause contamination. The result of these design and production techniques is a reliable filter that is fast and easy to install.



One of the primary uses of this product is as a system component. The benefit is derived from the fitting being molded directly into the filter cap, greatly reducing clearance. Shown here (right) is a reverse osmosis system with the traditional 12" x 2.5" filter configuration. Notice that all the filters are uniformly attached. This results in the most efficient use of available space and greater filtering performance in a smaller overall area.

The K-Series filter is available in 6", 8", 10", 12" or 14" lengths manufactured in 2" or 2.5" diameters. The true benefit is that systems can be designed to incorporate the various lengths and diameters - either all the same size or intermixed - to meet specific filtration needs.



The Q-Series

A two-piece design makes replacement fast, easy and cost-effective.



The Q-Series is the ultimate “user friendly” inline filter on the market. Replacement of the spent media bed is completed, in a matter of seconds, by detaching the filter body from a permanent head with a twist of the wrist. The new filter body is just as easily threaded into the head, and the replacement is then complete. The Q-Series is also available with the optional Twist Tap in-head valve system, which automatically turns the supply water off when the body is disconnected from the head. No tools. No drips. No hassles.



As with all Omnipure filters, the Q-Series is ideal for use in any situation where better tasting, sediment-free water is required - beverage equipment, RO systems, drinking fountains, ice machines, and other point-of-use applications. Standard media includes granular activated carbon for taste and odor reduction, polypropylene depth filtration for removal of grit and sediment, and polyphosphate to control lime and scale deposits. Also, a wide variety of specialty and custom media options are available as well as a corresponding RO membrane body for use in reverse osmosis systems. Eliminates taste and odor. Filters out sediment. Protects equipment.



The Q-Series is designed to give our customers a high quality, economically priced alternative to similar products on the market. Our engineering and production expertise enables us to offer both the initial unit and the replacement bodies at a significantly lower price than the competition.

The Q-Series is produced with a diameter of 2.5” and lengths of 6”, 8”, 10”, 12” and 14”. Quick-Connect 1/4” fittings are available on this series. Female threads are available in 1/4” and 3/8” NPT.



The E-Series

Replacement bodies for existing Everpure* permanent heads.



The new E-Series was designed for our customers that are already using existing permanent heads but would like an alternative to the replacement bodies currently offered.

The main benefit of the E-Series is price to performance value. E-Series filters, with equal or superior filtration capability, are offered at a considerably lower price than comparable replacement bodies on the market.

Omnipure utilizes several media or media combinations to address standard water problems including granular activated carbon (GAC), polypropylene depth filtration, and polyphosphate. Omnipure also offers one or ten micron carbon blocks, carbon blocks with lead sorbent material and carbon blocks with scale inhibitors to address specific water conditions.

E-Series replacement bodies are offered in 6", 8", 10", 12" and 14" lengths. Bodies are tested to withstand pressure of 125 psi and temperature of 100° F. Media service life is designed to handle up to 3,000 gallons in some models and filtration micron ratings are as low as 1 micron in other models.



* Everpure is a Trademark of the Everpure Corporation.

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The ELF-Series

Extra Large Format (ELF)



The ELF-Series of filters from Omnipure was designed specifically for the higher volume requirements for the food service industry. In contrast to what the name implies, the new ELF's (Extra-Large Format) capacity of up to 20,000 gallons and flow rates of up to 2.0 gal/minutes, make it ideal for use in restaurants, cafes, coffee shops and vending machines.

The ELF-Series is engineered in a two-piece configuration with a permanent head and a bayonet style replaceable polypropylene body. This configuration helps to reduce cost as simple body replacement is cheaper than replacing the entire filter apparatus. Replacement is fast and easy. The body is quickly detached from the head with the twist of a wrist, no tool required.

Omnipure has developed an entire series of carbon blocks to work in the extra large ELF filter body. The OmnipureBlocks™ available in the ELF-Series include standard 10 and 1 micron carbon blocks, lead-specific carbon blocks and polyphosphate/carbon blocks for equipment protection from contaminants associated with hard water.



All Omnipure filter bodies are made with virgin, high-impact polypropylene which is especially ideal for use in applications where sanitary conditions are required. All materials of construction are NSF and/or FDA approved.

The ELF-Series from Omnipure. Cost-effective, point-of-use water filtration for high volume applications.



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Replacement Cartridges

High Quality Cartridges that you can rely on.



With the highest volume in the industry, the OC-Series filter elements are designed to fit most standard 4-7/8", 9-3/4" and 20" cartridge housings. Omnipure utilizes a spring loading device to compress the media, reducing media migration and ensuring that the water passes properly through the media for optimum filtration.

Omnipure Filter Company offers three series of replacement filter elements for use in systems or as stand alone units - the OC-Series, the CS-Series and the OMB-Series.

The Ultra Slim Line, or CS-Series, filter element is engineered to fit any 9-3/4" housing including the narrower models now on the market. The Slim Line includes all of the engineering features available on the OC-Series in a small, slender profile.

The OMB-Series of replacement cartridges feature the new OmnipureBlock™ media. This high quality carbon block media is manufactured from raw materials to precise specifications entirely at the Omnipure manufacturing facility. Filter elements are available in 10 micron, 5 micron, 1 micron and 1 micron lead reduction formulations. Elements are finished with a single layer of spun-bonded polypropylene netting. Polypropylene end caps with compression gaskets are standard. Ask your Omnipure representative about custom formulations and alternative finishing options.



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Filtration Media



Omnipure offers a variety of standard filtration media. Granular Activated Carbon (GAC) is most often used to reduce or eliminate undesirable tastes and odors. Polypropylene depth filtration helps to eliminate sediment. Polyphosphate addresses hard water conditions that can cause scaling. Carbon block and Aquabond™ media address multiple or unique water conditions such as lead and cyst issues.

New developments in media choices have greatly changed the water filtration industry. Omnipure has invested hundreds of thousands of dollars in state-of-the-art equipment to assess filtering materials and develop new media. Our extremely talented staff has been instrumental in the introduction and marketing of several new media families. These media families offer more diverse solutions to unique water conditions. Omnipure is proud to be on the cutting edge of this technology.

Contained below and on the following pages is a basic breakdown of the filtration media that Omnipure offers. For more specific data or for more information pertaining to custom media options, contact your Omnipure representative.

Taste and Odor Reduction

Granulated Carbon (GAC) has long been utilized to reduce impurities in potable water. It is widely recognized for its adsorption capacity plus its ability to reduce dissolved organics and chemicals such as chlorine. These and other impurities can cause undesirable taste, odor and color in water.

Omnipure offers several choices of GAC for use in any filter body. Standard choices include 20 x 50 mesh, used in most conventional instances, and acid washed activated carbon which is used in specific situations where highly polished filtered water is required. Specialized carbon selections are also available.



KDF



Polyphosphate



Granular Activated Carbon (GAC)

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Sediment Removal

Omnipure inline sediment filters are used to eliminate sediment before it reaches sensitive equipment such as other filters, ice makers, coffee machines, pumps, RO units or purification systems.

We incorporate the most effective sediment removal technologies to address specific problems. The various media are effective in reducing contaminants ranging in size from 50 microns to as low as 1 micron, depending on the need. Filtration down to 1 micron is adequate to reduce cysts such as giardia and cryptosporidium.

The Omnipure design utilizes a multi-layer depth filtration construction that is vastly superior to single layer alternatives. The benefits of this process are threefold. Overall filtration capacity is increased, pressure drop due to sediment build-up is reduced and service life is greatly extended.

Scale Inhibitor

Used in situations where “hard water” is a problem, polyphosphate is a food grade product that inhibits scaling and controls the corrosion or rusting of pipes and equipment. Scaling and corrosion are the result of lime and iron (in soluble form) reacting with metal in pipes or equipment, forming a solid (scale or rust). Polyphosphate solves this problem by holding these contaminants in suspension, which keeps them from reacting with the metals in pipes or equipment.

Often used in conjunction with GAC, polyphosphate is ideal for the protection of equipment such as ice makers, beverage equipment, and pumps. It is excellent for potable water because it is tasteless and odorless.

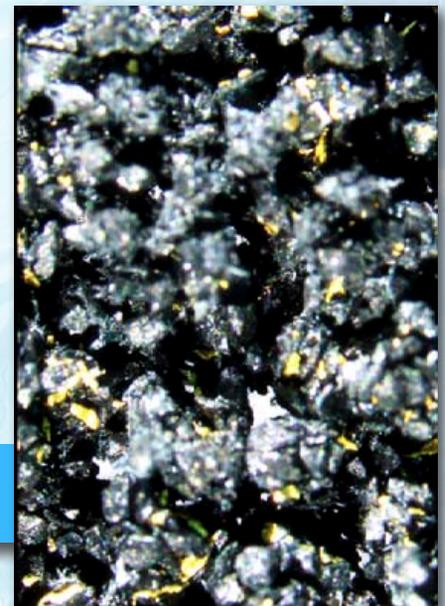
Custom Media Choices

In many instances, specialized media is required to solve filtering problems that are extraordinary. For this reason, Omnipure offers a complete custom fill program available to those companies who wish to offer a product with special capabilities. Upon request, Omnipure can manufacture a product using virtually any media offered in today’s market including KDF®, Cation and Anion Resin, Iodinated Resin, Silver GAC and Calcite.

Our experts are constantly on the lookout for new and exciting breakthroughs in media technology and endeavor to offer new products to our customers as soon as possible. Be assured that our staff will strive to meet your media needs whenever special circumstances arise.

Any custom media...in any filter body...any time.

*Granular Activated Carbon
Bonded with KDF®.*



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Carbon Block Technology



Omnipure introduced its own carbon block filtration media in the spring of 1999. With the market demanding better, more refined filtration options, Omnipure felt the need to supply their customers the best media option available. The only way to do this was to start from the ground up and create a new, innovative carbon block.

Omnipure's engineering team created a new, state-of-the-art compression molding process. This advanced method produces a strong, one-piece block with an extended life. It is unsurpassed at removing chlorine, sediment, taste, odor and organic contaminants. Due to its highly uniform molded structure, the Omnipure carbon block benefits include the elimination of carbon fines release, as well as channeling and bypass.

Technology and Benefits

OmnipureBlock™ consists of finely powdered activated carbon particles that have been bonded together to form a totally uniform, solid profile with superior adsorptive capacity and kinetic efficiency. Omnipure filters and cartridge elements are designed to flow in a radial, outside to inside direction resulting in low pressure drop, high flow rate and increased dirt holding capacity.

Manufactured entirely from FDA approved materials, the OmnipureBlock™ is suitable for residential point-of-use water filtration, as well as, commercial and food service applications. The OmnipureBlock is manufactured from high purity activated carbon and is designed to fit most standard household and commercial housings.

CarbonBlock Filter Elements for all Omnipure Bodies

Omnipure offers carbon block technology on all E-Series, K-Series, Q-Series and CL-Series filters. Capacity rates vary with size and have a top-end exceeding 10,000 gallons. Blocks are available for filtration to 1 micron. Because of the unique manufacturing process, Omnipure is able to offer block technology utilized in conjunction with other media that can address water problems that carbon blocks alone cannot address, such as scaling. Contact your Omnipure representative for more details.

Block Media for Cartridge Housings

Omnipure offers carbon blocks for most standard 4-7/8", 9-3/4", and 20" housings. The Omnipure filter elements are available in 10 micron, 5 micron, 1 micron, and 1 micron lead reduction formulations. Elements are finished with a single layer of spun-bonded polypropylene and protective polypropylene netting. Polypropylene end caps with compression gaskets are standard. Custom formulations and alternative finishing options are available upon request. Cartridge blocks can be supplemented with other media to address unique water problems such as scaling, lead, silt and sand. Contact your Omnipure representative for more details.



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