



# OSMONICS HOUSEHOLD FILTER CARTRIDGES



OSMONICS

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## Household Filter Cartridges

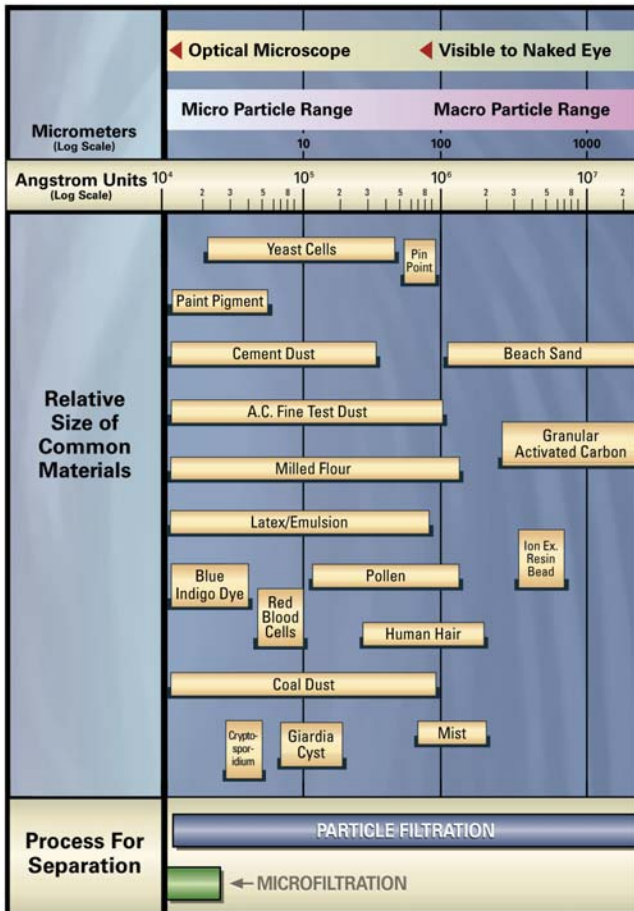
Osmonics Household Group, with its superior line of products, has been at the forefront of the water treatment industry for over three decades. We continue to lead the way with our ongoing research and development. Our commitment to quality, customer service, and leading-edge technology means that you can expect reliable products that meet and exceed your water treatment needs.

### A Wide Range of Filters for All Household Water Needs

Osmonics comprehensive offering of cartridge filters meets or exceeds the performance requirements for both basic and premium point-of-use drinking water systems. Our sediment and carbon filters improve water taste and odor, as well as remove sediment, lead, cysts, chlorine and volatile organic chemicals from potable water supplies. Osmonics reverse osmosis elements and water conditioning control valves offer complete solutions for household water treatment requirements.

#### Particle Range Filtration

Both our sediment and carbon filters offer a wide range of particle filtration. This spectrum shows the relative sizes of common materials that are separated from water.



#### Melt-Blown Technology Ensures High Performance

Melt-blowing technology is used to manufacture all our sediment filters. This process has long been regarded as the leading technology for fabricating sediment filters. Our melt-blown sediment filters feature a graded density that uses the entire depth of the filter to trap sediment, translating into high dirt-holding capacity. Other features include:

- thermally bonded fibers will not migrate into water
- filters available from 1 to 25 microns
- broad chemical compatibility

Melt blown polypropylene cartridges offer a self-supporting, thermally fused filter media that requires no separate center support tube. No adhesives, binding agents or anti-static agents are used.

#### Carbon Block Design for Quality and Convenience

Our carbon block filters offer a strong, uniform filter medium that prevents channeling, fluidizing or bypassing, thus providing optimal performance. The performance capabilities of activated carbon block filters typically exceed granular activated carbon (GAC) filters. In addition, our filters feature:

- performance capabilities meets or exceed competition
- wide range of chemical reduction capabilities
- color coded end caps for easy model identification

Osmonics now offers a full line of carbon filters with smaller diameters that allow installation into slim housings, meanwhile maintaining performance capabilities of full-sized filters.

Autotrol brand filters are manufactured from FDA accepted materials.

# Filter Specifications

## Sediment Removal

Melt-blown sediment filters are designed for a knife-edge seal, requiring no end caps. All micron ratings are nominal. Materials of construction are FDA approved. The filter model number is embossed into the surface of the filter for easy identification.

MODEL NUMBER	PART NUMBER	FILTER TYPE	MICRON	SIZE IN/CM
MB-01-10	1013238	Sediment	1	2.5 x 9.875 / 6.35 x 25.08
MB-01-20	1013239	Sediment	1	2.5 x 20 / 6.35 x 50.8
MB-05-10	1013231	Sediment	5	2.5 x 9.875 / 6.35 x 25.08
MB-05-20	1013240	Sediment	5	2.5 x 20 / 6.35 x 50.8
MB-10-10	1013241	Sediment	10	2.5 x 9.875 / 6.35 x 25.08
MB-10-20	1013242	Sediment	10	2.5 x 20 / 6.35 x 50.8
MB-25-10	1013232	Sediment	25	2.5 x 9.875 / 6.35 x 25.08
MB-25-20	1013243	Sediment	25	2.5 x 20 / 6.35 x 50.8



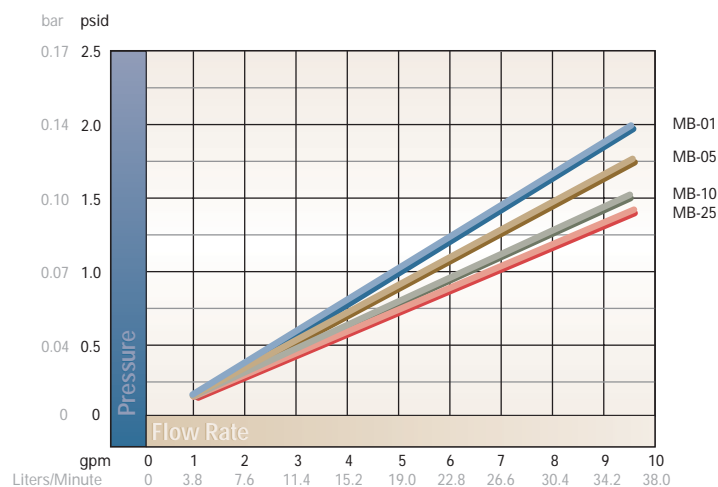
## Cyst Removal

Osmonics household cyst filters feature an absolute rating for removal of cysts down to one micron. End caps are embedded into the filter media to ensure seal integrity for absolute filtration.

MODEL NUMBER	PART NUMBER	FILTER TYPE	MICRON	SIZE IN/CM
Performa P-MBC-01-10	1013230	Sediment/Cyst	1	2.5 x 9.875 / 6.35 x 25.08
Performa P-MBC-10-20	1013237	Sediment/Cyst	1	2.5 x 20 / 6.35 x 50.8



## Sediment Filter Performance



## Premium: Taste, Odor, Lead and VOC's Removal

Osmonics premium carbon block filters are designed to retrofit into most standard and slim 10-inch housings. Carbon block offers a strong, uniform, permeable filter medium that prevents channeling, bypassing or fluidizing throughout the service life. The carbon core is wrapped with a protective layer of spun polypropylene that removes silt-sized particles and extends filter life. Outer netting offers protection from abrasion during shipping and handling. Color-coded end caps are securely bonded with a hot-melt adhesive. The Series 2498 carbon filters pack superior performance into a slim design that meets or exceeds the capabilities of a full sized filter.



MODEL NUMBER	PART NUMBER	FILTER TYPE	MICRON NOM.	END CAP COLOR	FLOW RATE GPM	FILTER CAPACITY	SIZE IN/CM
KSTO-2498	1013268	Standard Taste/Odor	10	Black	1.0	2000 gal (7.57 m <sup>3</sup> )	2.4 x 9.81 6.09 x 24.91
PDTO-2498	1013269	Premium Taste/Odor	1	Purple	1.0	5000 gal (18.92 m <sup>3</sup> )	2.4 x 9.81 6.09 x 24.91
BCTO-2498	1013270	Cyst, Taste/Odor	1	Blue	1.0	5000 gal (18.92 m <sup>3</sup> )	2.4 x 9.81 6.09 x 24.91
YLCT-2498	1013271	Lead, Cyst, Taste/Odor	0.5	Yellow	0.75	2000 gal (7.57 m <sup>3</sup> )	2.4 x 9.81 6.09 x 24.91
GLVC-2498	1013272	VOC's, Lead, Cyst, Taste/Odor	0.5	Grey	0.50	1800 gal (6.81 m <sup>3</sup> )	2.4 x 9.81 6.09 x 24.91

Chlorine reduction capacity achieved at 2 ppm challenge @ 0.75 gpm.

Lead reduction capacity achieved at 150 ppb challenge @ 0.75 gpm.

Note: The GLCV-2498 is configured as a twin pack and designed to operate as two filters in series.

## Basic: Taste & Odor

The WCTO-2898 filter serves as an economical option for the basic taste and odor reduction, while featuring the performance capabilities of carbon block. This filter is designed to fit into standard sized housings.



MODEL NUMBER	EMS/SAP PART NO	FILTER TYPE	MICRON NOM.	END CAP COLOR	*RECOMMENDED FLOW RATE	FILTER CAPACITY	SIZE IN/CM
WBTO-2898	1013273	Basic Taste/Odor	10	White	1.0	1200 gal (4.54 m <sup>3</sup> )	2.8 x 9.81 7.11 x 24.91

\*The WCTO-2898 fits into the standard size 10-inch sump and is not intended for use in slimmer housings.

### For More Information:

Call **Osmonics Household Water Group** at **(262) 238-4400** or **(800) 279-9404**, or visit **www.osmonics.com**



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