

Autotrol Brand Household Filter Cartridges

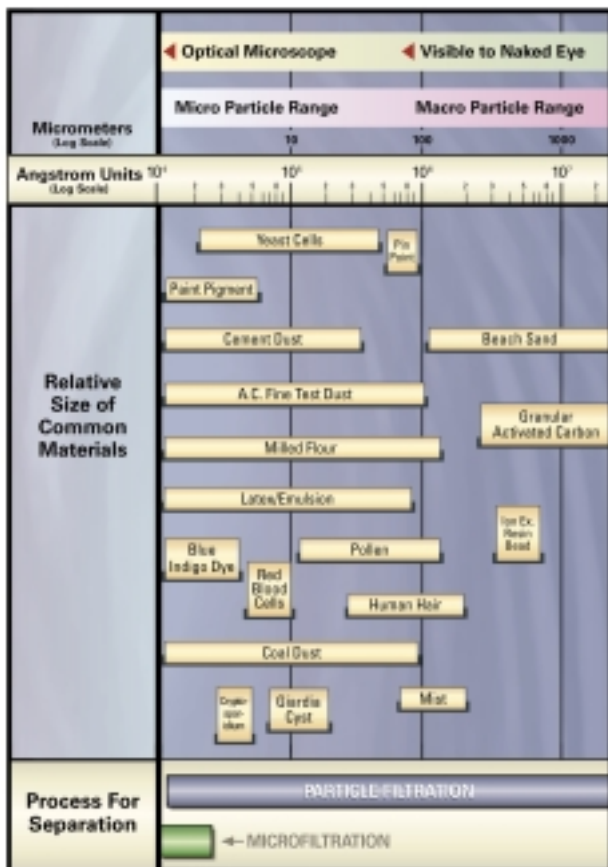
Osmonics Household Group, with its superior line of products, has been at the forefront of the water treatment industry for three decades, and we continue to lead the way with our ongoing research and development. Our commitment to quality, customer service, and leading-edge technology means that you 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 Autotrol filters meets and exceeds performance requirements for both standard and premium point-of-use drinking systems. Our cartridge filters improve water taste and odor, as well as remove sediment and lead from household potable water supplies. Our carbon filters, along with Autotrol brand RO and water-conditioning control valves, offer complete solutions for household water-conditioning requirements.

Particle Range Filtration

Autotrol household elements offer superior particle filtration. This spectrum shows the relative sizes of common materials that are separated from water.



Innovative Filter Technology Ensures High Performance

Both our sediment and carbon filters incorporate radial-flow technology, which provides large surface areas for:

- z excellent filtering performance
- z high-flow rates
- z reduced pressure drops

Our carbon filters use an advanced carbon-block compression technology that exceeds GAC performance by eliminating channeling, while remaining cost-competitive. And our cartridge components are manufactured from corrosion-resistant and chemical-resistant materials.

Superior Design for Quality and Convenience

Our carbon filters feature uniform density and melt-blown filters feature graded density for sediment-reduction capabilities of 25 microns down to 1 micron. This allows the capture of particulate sizes most commonly found in potable household water supplies. In addition, our filters feature:

- z standard cartridge dimensions for quick and simple retrofits to most types of filter housings.
- z polypropylene pre-filters and post-filters that trap carbon fines, thus reducing flushing on initial installation for faster start-ups.

Autotrol brand filters are manufactured from FDA accepted material.

Filter Specifications

Sediment Removal

Melt-blown polypropylene cartridges offer a self-supporting, thermally fused media that requires no separate center core. Thermally-bonded fibers will not migrate or contaminate the filtered water.

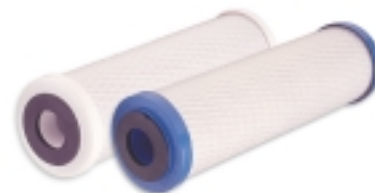
PART NUMBER	EMS/SAP PART NO	FILTER TYPE	MICRON NOM.	SIZE IN/CM
MB-01-10	1013238	Sediment	1	2.5 x 9.875 / 6.35 x 25.08
MB-01-20	1013239	Sediment	1	2.5 x 20 / 6.35 x 50.8
MB-05-10	1013231	Sediment	5	2.5 x 9.875 / 6.35 x 25.08
MB-05-20	1013240	Sediment	5	2.5 x 20 / 6.35 x 50.8
MB-10-10	1013241	Sediment	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



Taste, Odor and Lead Removal

Carbon block filters provide chlorine and lead reduction capabilities that exceed typical granular activated carbon (GAC) filters. All carbon filters are wrapped with a polypropylene layer that protects the carbon to lengthen filter life.

MODEL NUMBER	EMS/SAP PART NO	FILTER TYPE	MICRON NOM.	CHEMICAL REDUCTION	*RECOMMENDED FLOW RATE	FILTER CAPACITY	SIZE IN/CM
TO-10	1013233	Taste/Odor	10	95% Cl	0.75	4000 gal (15.1 m ³)	2.5 x 9.875 / 6.35 x 25.08
Performa™ P-TO-01	1013234	Taste/Odor	1	98% Cl	0.75	10000 gal (37.8 m ³)	2.5 x 9.875 / 6.35 x 25.08
Performa P-TOL-01	1013235	Taste/Odor/Lead	1	95% Cl 95% Pb	0.75 0.75	1000 gal (3.78 m ³)	2.5 x 9.875 / 6.35 x 25.08



*Chlorine reduction capacity achieved at 2 ppm challenge @ 0.75 gpm.
Lead reduction capacity achieved at 150 ppb challenge @ 0.75 gpm.

Cyst Removal

The Autotrol brand cyst filter, manufactured from melt-blown polypropylene fibers, allows for the removal of cysts down to 1 micron.



MODEL NUMBER	EMS/SAP PART NO	FILTER TYPE	MICRON NOM.	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

Duplex Carbon Filter

The duplex carbon filter (DCF) is unique in that it does the work of both a prefilter and a carbon filter. Constructed of 100% melt-blown polypropylene wrapped around a carbon block core, the DCF utilizes two superior types of filter technology. The polypropylene layer captures sediment and allows the carbon core to remove chlorine and smaller particles.



MODEL NUMBER	EMS/SAP PART NO	FILTER TYPE	MICRON NOM.	CAPACITY AND FLOW RATE PERFORMANCE	SIZE IN/CM
Performa P-DCF-95	1161367	Sediment/Taste	.5	2500 gal capacity @ 1.0 gpm 9.46 m ³ @ 3.78 Lpm	2.6 x 9.875 6.6 x 25.08
Performa P-DCF-01	1161366	Sediment/Taste	1	2500 gal capacity @ 1.0 gpm 9.46 m ³ @ 3.78 Lpm	2.6 x 9.875 6.6 x 25.08
Performa P-DCF-05	1161365	Sediment/Taste	5	1700 gal capacity at 1.0 gpm 24.35 m ³ capacity @ 3.78 Lpm	2.6 x 9.875 6.6 x 25.08

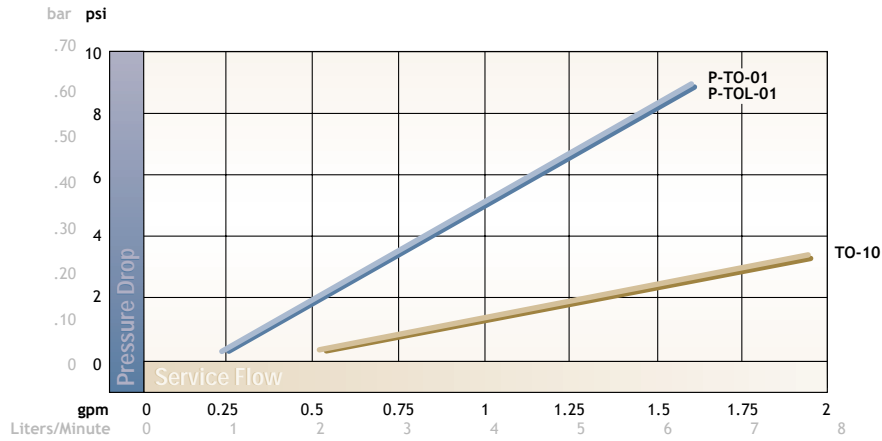
General Specifications

The Autotrol brand cartridge filters are designed to perform within the following general specifications:

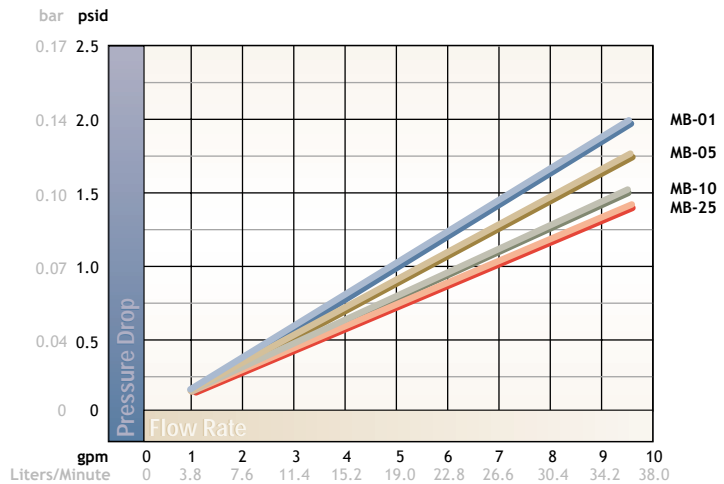
Operational Pressure Range	20 - 125 psi (1.38 - 8.62 bar)
Operating pH Range	6.5 - 8.5
Ambient Temperature Range	33°F - 125°F (0.5°C - 52°C)
Maximum Allowable Pressure Drop	10 psid (0.69 bar drop)
Rubber Compounds	Buna-N
Sediment Filter Material	Melt Blown Polypropylene
Carbon Filter Material	Bonded Carbon Block
Outer Netting Material	Polypropylene
Material Components	FDA Accepted

Filtration Performance

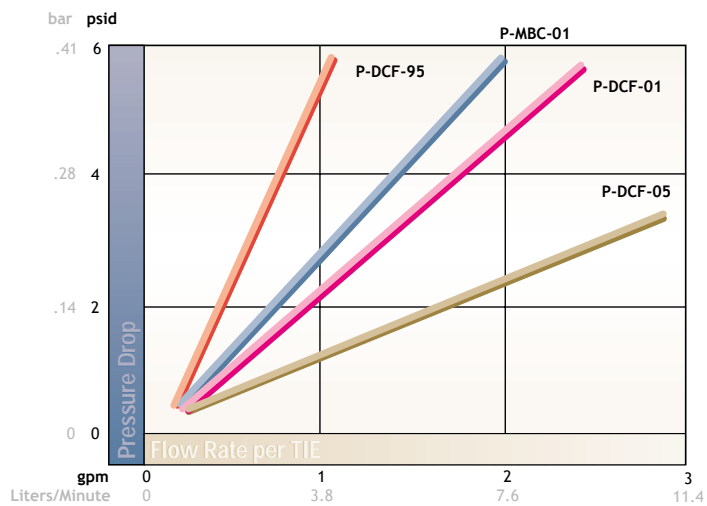
Pressure Drop vs. Flow Rate



High Flow Rate at Low-Pressure Drop



Pressure Drop vs. Flow Rate





Available Through Your Local Dealer:

Call (719) 264-3937 for additional information, (800) 605-6698 in the U.S., or visit www.osmonics.com



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