

Some of Our Partners



MICRON vs. MESH COMPARISON

U.S. MESH	INCHES	MICRON
12,000	.0000394	1
5,000	.000099	2.5
2,500	.000197	5
1,750	.000315	8
1,250	.000394	10
625	.00079	20
550	.00099	25
400	.0015	37
325	.0017	44
270	.0021	53
230	.0024	63
200	.0029	74
170	.0035	88
140	.0041	105
120	.0049	125
100	.0059	149
80	.0070	177
70	.0083	210
60	.0098	250
50	.0117	297
45	.0138	354
40	.0165	420
35	.0197	500
30	.0232	595
25	.0280	707
20	.0331	841
18	.0394	1000
16	.0469	1190
14	.0555	1410
12	.0661	1680
10	.0787	2000

Other OEM Brands

- > Baldwin
- > Calgon Carbon
- > Camfil Farr
- > Donaldson
- > Dynamic Air
- > GE
- > Hycon / Hydac
- > Kaydon
- > Mahle
- > Mann & Hummel
- > Napa
- > Pall
- > Parker
- > Schroeder
- > Rosedale Products
- > Vickers

PARTICLE SIZE OF FAMILIAR OBJECTS

SUBSTANCE	MICRON	INCH
GRAIN OF TABLE SALT	100	0.004
HUMAN HAIR	70	0.0027
LOWER LIMIT OF VISIBILITY	40	0.00158
WHITE BLOOD CELLS	11	0.001
TALCUM POWDER	10	0.0004
RED BLOOD CELLS	8	0.0003
BACTERIA	2	0.00008



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Consulting
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Support

Let Optimum Filtration work for you

SUPPLYING YOUR BUSINESS WITH THE RESOURCES YOU NEED

Liquid Filtration

Cartridges, Bags, Lenticular, Porous Metal, Screens, Filter Cloth, Membranes, Housings & Equipment

Optimum Filtration can offer a complete range of cartridges from wound, pleated and thermal bonded through to PES, Nylon and PTFE membranes. We also have a complete line of standard or pleated filter bags in felt or mesh construction materials, with nylon monofilament, polypropylene or polyester media. They are available for new or current applications with multiple end, top, and seal configurations. These products can also be supplied meeting FDA and NSF requirements.

We also can provide a full range of single and multi-cartridge housings to compliment these products that can be customized to fit your application.

Some Applications:

- High Purity & Sanitary Applications
- Liquid, Syrups, and Beverage Polishing
- Reduction of Chlorine, Organic Chemicals, and Odors

Oil, Gas & Fuel Filtration

Cartridges, Spin-On, Coalescing, Separators, & Housings

Optimum Filtration can offer a complete range of cartridges that effectively remove solids, acid, or solids and water contaminants from hydraulic, lube and insulating oils. They are available for new or current applications with multiple ends and seal configurations.

We also carry a full range of single, duplex and multi-cartridge housings to compliment these products, and can be customized to fit your application.

Some Applications:

- Turbine Lube & Hydraulic Oils
- Compressor Lube Oil
- Synthetic Lubricants
- Water Glycols
- Petroleum Based Fluids
- Hot & Corrosive Gas Filtration
- Oil & Water Separation Elements



HVAC, Dust Collection, & Gas Filtration

Cartridges, Bags, Porous Metal, UV Lights & Housings

Optimum Filtration can offer a complete range of air filtration products for the Commercial, Medical, and Food & Beverage Industries.

We also can provide a full range of custom and standard filtration housings along with Isolation Dampers to compliment these products.

- Intake or Exhaust for Equipment or other Processes
- Gas Turbine Intake Elements
- Office Air Handling Units
- Cleanrooms / Operating Rooms
- New or Renovating Construction Sites
- Hazardous Gas Adsorption for Operator and Equipment Protection
- Capture of Oil / Grease Vapor, or Smoke Fumes
- UV-C Lights for Commercial Surface and Airstream Disinfectant
- Air Coalescing Products for Particulate, Water, Oil and Sanitary Req.



Water Treatment

Metering Pumps and Automatic Self-Cleaning Filters

Automatic Self-Cleaning Filters and Metering Pumps can help to control the cost of chemicals, labor, product quality, and down time in your facility. We have the technology to filter High Volumes of Water and ensure filtration levels down to 0.45 microns with minimum operator intervention. Systems can be designed for Full Flow or Side Stream Recirculation loops.

- Cooling Towers / Process Cooling Water
- Intake / Reclaim Water, Effluent / Waste Water
- Spray Nozzles and Irrigation Lines
- Heat Exchangers, Instrumentation
- I.E. & R.O. Units Pre-filtration



flexible solutions for
your business needs