



Available in micron rating of 0.5, 1, 3, 5, 10, 25, 50, 75, 100 & 150 micron.

Sealed in individual poly bag.

A guarantee quality product (ISO 9001 certified).

SPECIFICATIONS

NOMINAL MICRON RATING

0.5, 1, 3, 5, 10, 25, 50, 75, 100 & 150 micron

NOMINAL LENGTH

125, 250, 500, 750, 1000, 1250, 1500 mm or
127, 254, 508, 762, 1016, 1270, 1524 mm

Note: Until 60 Inches.

NOMINAL INNER/OUTER DIAMETER (ID/OD)

28/ 63 mm

Note: 30mm inner diameter is available upon request.

MEDIA MATERIAL

Melt Blown Micro-Denier & High Density Silicone Free
Pure Polypropylene Fibers.

INNER CORE AND END ADAPTOR MATERIAL

1) Pure Polypropylene

END STYLE

- | | |
|----------|-----------------------------------|
| 1) DOE | : Double Opened End |
| 2) SOE | : Single Opened End |
| i) S2C | : SOE, 222 O-Ring With Closed End |
| ii) S2F | : SOE, 222 O-Ring With Finned End |
| iii) S6C | : SOE, 226 O-Ring With Closed End |
| iv) S6F | : SOE, 226 O-Ring With Finned End |

GASKET MATERIAL

1) PE : PE Foamed Gasket (Standard)

Note: For filter with DOE style only.

O-RING MATERIAL (OPTIONAL)

- | | |
|-------------|------------|
| 1) Standard | : EPDM |
| 2) V | : Viton |
| 3) S | : Silicone |
| 4) T | : Teflon |

Note: For filter with SOE style only.

OPERATING CONDITIONS

MAX. DIFFERENTIAL PRESSURE

- 1.3 Bar (18 PSID) at 80°C
- 2.1 Bar (30 PSID) at 60°C
- 2.8 Bar (40 PSID) at 30°C

MAX. OPERATING TEMPERATURE

80°C at 10 PSID

CHANGE OUT DIFFERENTIAL PRESSURE

2.4 Bar (35 PSID)

DESCRIPTIONS

DHM is a non-woven melt-blown multi-layer type cartridge filter made of Silicone-Free Non Foaming FDA approved Pure Polypropylene material. Suitable for food contact and wide range of process applications.

DHM is the best economical 2-structure, multiple layers, high purity graded density filter cartridge available with minimum of 2 - 8 times longer life span than conventional depth cartridge filter.

Innermost layer of **DHM** features a higher density (1 grade higher on available micron) fixed pore structure of 3 dimensionally thermal bonded fibers. Outermost layer features a graded density non-woven melt-blown fibers to act as a pre-filter.

By filtering larger particles separately at the outermost layers, it reduces the load of innermost layer and provides more room for filtrate to flow through. Thus, provides extremely low pressure drop and longer life span of filter.

DHM is thermally bonded without the use of surfactant, binders and adhesives. Thus, provides superior filtration results and eliminates the need for circulation to achieve product clarity.

Thermally imposed grooves provide reinforcement to the media surface, ensure even water distribution, lower pressure drop and prolong life span of filter.

Suitable for high pressure applications due to the build-in inner core.

APPLICATIONS

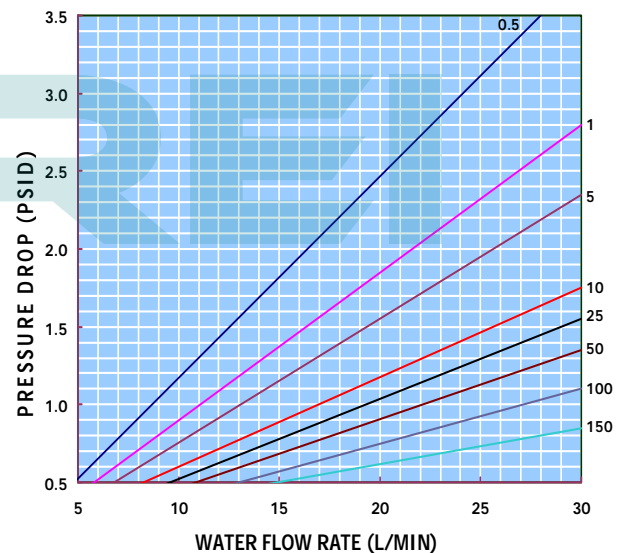
Bulk Chemicals	Acids, Bases, Organic Solvents, Plating Solutions, Magnetic Paints, etc.
Food And Beverages	Wine, Potable Water, Beer, Soft drink, Brewery, Sugar, Edible oils, Syrup, Bottled water, Distilled spirits, etc.
Electronic	Etching Solution, Electroplating, Pre-filtration For R.O. And D.I. system, etc.
Oil And Gas	Amines, Glycols, Condensate, Lubricating Oils, etc.
Cosmetics	Toiletries, Perfumes and colognes, Lotions, Ointments, Shampoos, Body Rinses, Mouthwashes, Toothpaste, Creams, etc.
Biological	Vaccine preparation, Serum & serum fraction, Tissue culture media, etc.
Film And Fiber	Monomers, Slurry additives, Delusterants, Slip agents, Spin finishes, Aqueous salt solution, etc.
Pharmaceutical	Ophthalmic, Oral medications, Small & large volume parenterals, Oral and topical medicines, etc.
Chemical & Petrochemical	Polymers, Glycols, Photo-resists, Deep disposal well fluids, Mono-ethanol-amine and Di-ethanol-amine for gas scrubbing, Acids, Bases, Polishing products, etc.
Power Generation Industries	Steam generator blow-down pre-filter, Waste water, Make-up water.
General	Adhesive, Audio and videotape, Automotive paints, Computer tape coatings, Floppy disc coatings, etc.

PARTICLES REMOVAL RATING

EFF. MICRON	$\beta = 1000$ (99.9%)	$\beta = 100$ (99.0%)	$\beta = 10$ (90.0%)
0.5	6.1	1.2	0.7
1	8.1	2.4	1.0
3	9.0	4.0	3.0
5	11.0	5.8	4.7
10	13.0	10.6	7.9
25	20.0	16.1	8.6
50	41.0	31.6	10.8
75	61.0	38.0	11.5
100	80.0	43.0	13.1
150	89.7	48.2	38.4

The removal efficiency was obtained using specific testing ISO standard dusts.

WATER PRESSURE DROP (10 INCHES CARTRIDGE)-DHM



ORDERING GUIDE : KAREI - DHM - (A) - (B) - (C) - (D)

(A) MICRON	(B) LENGTH	(C) END STYLE	(D) O-RING MATERIAL
05 : 0.5 1, 3, 5, 10, 25, 50, 75, 100, 150	125, 250, 500, 750, 1000, 1250, 1500 mm 127, 254, 508, 762, 1016, 1270, 1524 mm	None : DOE With PE Foamed Gasket S2C : SOE, 222 O-Ring & Closed End S2F : SOE, 222 O-Ring & Fin End S6C : SOE, 226 O-Ring & Closed End S6F : SOE, 226 O-Ring & Fin End	None : EPDM V : Viton S : Silicone T : Teflon Note : Apply to SOE end style only.

EXAMPLE:

- 1) KAREI-DHM-25-762 (DHM, 25 um, 762mm, DOE With PE Foamed Gasket)
- 2) KAREI-DHM-1-508-S2C (DHM, 1 um, 508mm, 222 EPDM O-Ring With Closed End)

Note: We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the applications. Users are advised to make their own testing under actual condition to determine the safety and suitability of each product or product combination for their own purposes and applications. Buyers and users assume all responsibility for liability performance or damage. We reserve the entire right to modify the information without prior notice due to continuous R & D.