

KAREI™**ADM Series**

Available in absolute 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

ABSOLUTE 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)

Standard : 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
- 2) Reinforced Polypropylene With Glass

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)

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

2.1 Bar (30 PSID) at 60°C

4.8 Bar (70 PSID) at 20°C

MAX. OPERATING TEMPERATURE

80°C at 10 PSID

CHANGE OUT DIFFERENTIAL PRESSURE

2.4 Bar (35 PSID)

DESCRIPTIONS

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

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

Innermost layer of **ADM** 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 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.

ADM 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 tiny 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

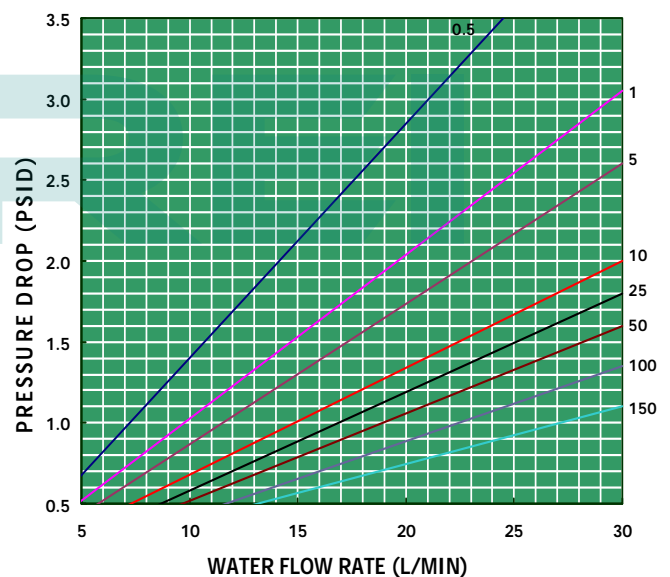
Bulk Chemicals	Acids, Bases, Organic Solvents, Plating Solutions, Magnetic Paints, etc.
Food And Beverages	Wine, Potable Water, Beer, Soft drink, Brewery, Sugar, Edible oils, Syrup, Bottled water, Distilled spirits, etc.
Electronic	Etching Solution, Electroplating, Pre-filtration For R.O. And D.I. system, 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, Polyester resins, Organic solvents, 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	2.3	0.5	<0.5
1	4.8	1.1	0.7
3	8.6	3.1	1.5
5	12.4	4.9	2.7
10	13.0	9.9	6.2
25	18.0	14.2	7.5
50	37.3	28.9	8.3
75	52.2	30.3	10.1
100	74.6	37.6	11.8
150	85.1	42.7	24.5

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

WATER PRESSURE DROP (10 INCHES CARTRIDGE)-ADM



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

(A) MICRON (um)	(B) LENGTH (mm)	(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 127, 254, 508, 762, 1016, 1270, 1524	None : DOE With PE Foamed Gasket For Standard Filter Only. 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-ADM-25-762 (ADM, 25 um, 762mm, DOE With PE Foamed Gasket)
- 2) KAREI-ADM-1-508-S6C (ADM, 1 um, 508mm, 226 EPDM O-Ring With Closed End)