New and Improved

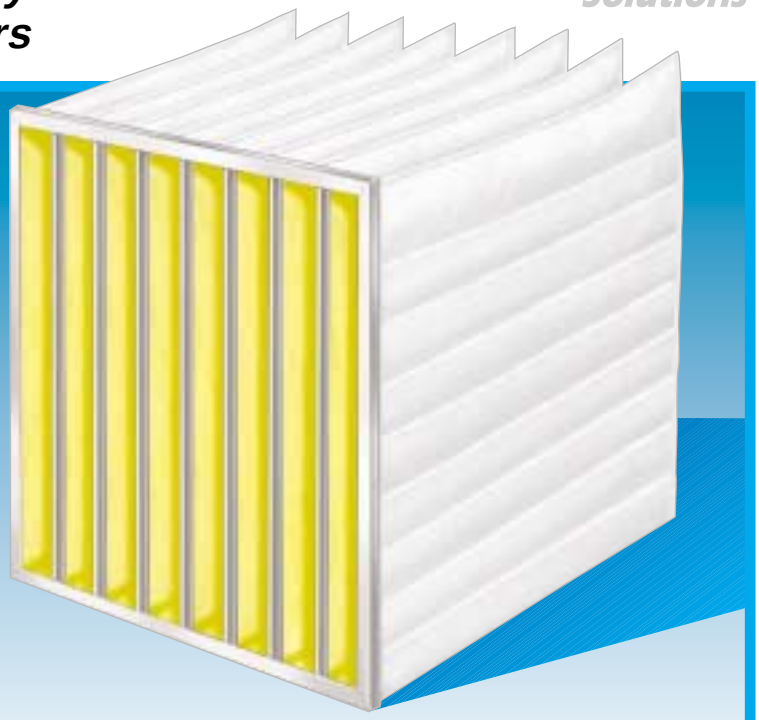
KA-107

AIRGUARD®
a CLARCOR company

MULTI-GUARD®

Innovative Clean Air Solutions

Next Generation High Efficiency Extended Surface Pocket Filters



FEATURING - State-of-the-art electrostatically enhanced, dual stage synthetic fiber media

- Low resistance/low energy
- High initial efficiency
- High average efficiency
- Exceptional dust holding capacity
- Select from three efficiencies -
  90 - 95% (MERV-14)
  80 - 85% (MERV-13)
  70 - 75% (MERV-12)

Compare the outstanding filtration properties of Multi-Guard filters to conventional pocket type filters made with fiber glass or synthetic media --

Higher Efficiency

Multi-Guard media is electrostatically charged to enhance filter efficiency, particularly on small particles (less than one micron). The charge is particularly effective at improving initial efficiency before the dirt load causes mechanical efficiency to rise.

Extended Service Life

Dual layer spun bond media with gradient density fiber structure permits dirt loading throughout the entire depth of the media. Dual layers create a large fiber surface area to collect an unusually large amount of dirt -- *up to three times more than other bag filters.*

There's More . . .

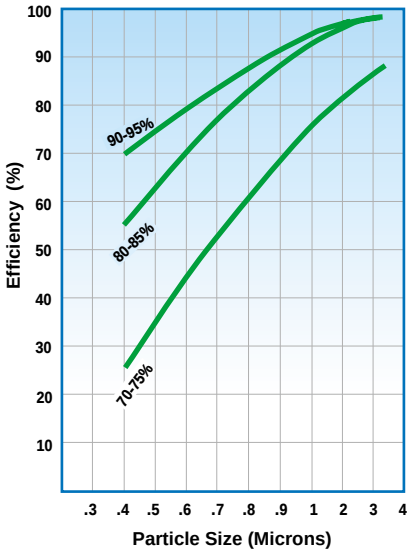
- Water repellent fibers do not absorb moisture
- Unaffected by high humidity
- Resistant to wide range of chemicals
- No chemical binders (thermally bonded media construction)
- No offgassing of VOC's
- No shedding of fibers
- Does not support microbial growth
- Wide selection of pocket counts and lengths allows flexibility to fit the system design or operating conditions
- Use shorter pockets for VAV systems; longer pockets for higher dust holding capacity, longer life in higher air flow constant volume systems
- Tough polyester backing protects the media in high velocity or turbulent operating conditions or with rough handling

MULTI-GUARD® Technical Data

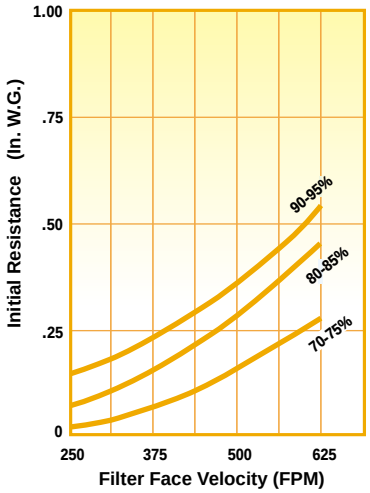
Model No.	Size (HxWxD)	No. of Pockets	Media Area (Sq. Ft.)	Air Flow Capacity (CFM) 375 FPM	500 FPM	625 FPM	Rated Initial Resistance (In. W.G.) 90 - 95%	80 - 85%	70 - 75%
								@500 FPM	
MG*-A-10-30	24 x 24 x 30	10	104	1500	2000	2500	.32	.28	.15
MG*-A-8-30	24 x 24 x 30	8	83	1500	2000	2500	.34	.30	.17
MG*-A-6-30	24 x 24 x 30	6	63	1500	2000	2500	.38	.34	.21
MG*-B-5-30	24 x 12 x 30	5	52	750	1000	1250	.32	.28	.15
MG*-B-4-30	24 x 12 x 30	4	42	750	1000	1250	.34	.30	.17
MG*-B-3-30	24 x 12 x 30	3	32	750	1000	1250	.38	.34	.21
MG*-A-10-26	24 x 24 x 26	10	90	1500	2000	2500	.37	.30	.17
MG*-A-8-26	24 x 24 x 26	8	73	1500	2000	2500	.36	.29	.18
MG*-A-6-26	24 x 24 x 26	6	57	1500	2000	2500	.40	.33	.19
MG*-B-5-26	24 x 12 x 26	5	45	750	1000	1250	.37	.30	.17
MG*-B-4-26	24 x 12 x 26	4	37	750	1000	1250	.36	.29	.18
MG*-B-3-26	24 x 12 x 26	3	28	750	1000	1250	.42	.33	.19
MG*-D-5-26	24 x 20 x 26	5	45	1250	1650	2050	.42	.33	.19
MG*-F-5-26	20 x 20 x 26	5	42	1050	1400	1750	.42	.33	.19
MG*-A-8-24	24 x 24 x 24	8	67	1500	2000	2500	.45	.34	.20
MG*-B-4-24	24 x 12 x 24	4	33	750	1000	1250	.45	.34	.20
MG*-D-6-24	24 x 20 x 24	6	50	1250	1650	2050	.50	.39	.25
MG*-F-5-24	20 x 20 x 24	5	41	1050	1400	1750	.50	.39	.25
MG*-A-10-22	24 x 24 x 22	10	76	1500	2000	2500	.38	.30	.17
MG*-A-8-22	24 x 24 x 22	8	61	1500	2000	2500	.42	.34	.20
MG*-B-5-22	24 x 12 x 22	5	38	750	1000	1250	38	.30	.17
MG*-B-4-22	24 x 12 x 22	4	31	750	1000	1250	.42	.34	.20
MG*-A-10-19	24 x 24 x 19	10	66	1500	2000	2500	.47	.36	.22
MG*-B-5-19	24 x 12 x 19	5	33	750	1000	1250	.47	.36	.22
MG*-A-12-15	24 x 24 x 15	12	61	1500	2000	2500	.52	.40	.26
								@375 FPM	
MG*-A-6-22	24 x 24 x 22	6	46	1500	2000	2500	.34	.28	.17
MG*-B-3-22	24 x 12 x 22	3	23	750	1000	1200	.34	.28	.17
MG*-A-8-19	24 x 24 x 19	8	54	1500	2000	2500	.28	.22	.14
MG*-A-6-19	24 x 24 x 19	6	42	1500	2000	2500	.36	.30	.20
MG*-B-4-19	24 x 12 x 19	4	27	750	1000	1250	.28	.22	.14
MG*-B-3-19	24 x 12 x 19	3	21	750	1000	1250	.36	.30	.20
MG*-D-5-19	24 x 20 x 19	5	33	1250	1650	2050	.36	.30	.20
MG*-F-5-19	20 x 20 x 19	5	30	1050	1400	1750	.36	.30	20
MG*-A-12-12	24 x 24 x 12	12	49	1500	2000	2500	.36	.30	.20
MG*-A-8-12	24 x 24 x 12	8	33	1500	2000	2500	.50	.44	.35
MG*-B-6-12	24 x 12 x 12	6	25	750	1000	1250	.36	.30	.20
MG*-B-4-12	24 x 12 x 12	4	17	750	1000	1250	.50	.44	.35
MG*-D-10-12	24 x 20 x 12	10	41	1250	1650	2050	.36	.30	.20
MG*-D-5-12	24 x 20 x 12	5	21	1250	1650	2050	.50	.44	.35

Efficiency by Particle Size

Clean Filter @500 FPM



Air Flow vs. Resistance



Resistance is based on the 8 pocket, 30" long model.

Underwriters Laboratories Classification:
Multi-Guard filters are classified U.L. Class 2.

Continuous Operating Temperature Limit: 190° F (88° C)

(1) Add efficiency designation to complete Model Number: 9 = 90 - 95%; 8 = 80 - 85%; 7 = 70 - 75%
(2) Actual size of face dimensions is 5/8" less than nominal. Header thickness is 13/16". Other headers are available: C= 1-1/8"; E = 1"
(3) Filter depths are measured from front of header to end of pockets with a tolerance of + or - 1".
(4) Performance data is based on the ASHRAE 52.1and 52.2 Test Methods. Tolerances conform to Section 7.4 of ARI Standard 850-93
(5) Recommended final resistance is 1.5" W.G.

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Airguard has a policy of continuous product research and development and reserves the right to change design and specifications without notice.

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