

AIRGUARD®

VARIFLOW® Compact Series

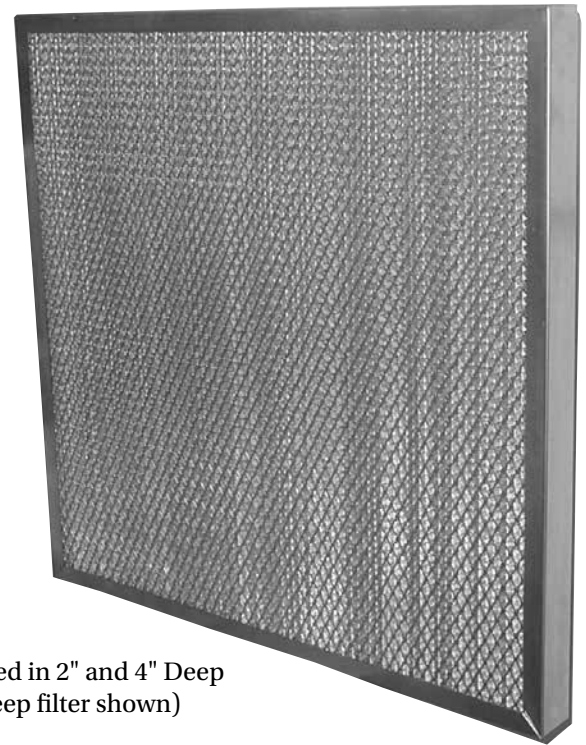
Rigid Cell Extended Surface Filters

Introduction

Variflow Compact Series offers many of the performance advantages of the Variflow product line in a thinner and lighter filter, only 2" or 4" deep (4" shown). They can be used in a wide variety of applications for heating, ventilating and air-conditioning and can be installed in existing systems with little or no modification. Variflow Compact Series can be used in high temperature applications up to 750 °F.

Features

- High efficiency microglass paper media
- Available in three efficiencies (90% MERV 14, 80% MERV 13, and 60% MERV 11)
- Low profile (2" and 4" deep)
- Completely rigid, all metal design
- Aluminized steel cell sides
- Corrugated aluminum separators
- Expanded metal faceguards on both sides
- Moisture resistant
- Classified per U.L. Standard 900.
- Maximum Operating temperature: 750 °F
- Optional high temperature gaskets available



Offered in 2" and 4" Deep
(2" deep filter shown)

Nominal Size (In.) (WxHxD)	Air Flow Capacity (CFM) @500 FPM - 4" @250 FPM - 2"	Initial Resistance @ Rated AirFlow (In. W.G.)			Recommended Final Resistance (In. W.G.)	Media Area (Ft²)
		90-95%	80-85%	60-65%		
24 x 24 x 4	2000	.65	.55	.40	1.5	94
20 x 25 x 4	1750	.65	.55	.40	1.5	84
20 x 24 x 4	1650	.65	.55	.40	1.5	82
20 x 20 x 4	1400	.65	.55	.40	1.5	65
18 x 24 x 4	1500	.65	.55	.40	1.5	70
16 x 25 x 4	1400	.65	.55	.40	1.5	65
16 x 20 x 4	1100	.65	.55	.40	1.5	52
12 x 24 x 4	1000	.65	.55	.40	1.5	46
24 x 24 x 2	1000	.46	.43	.28	1.5	42
20 x 25 x 2	875	.46	.43	.28	1.5	37
20 x 24 x 2	825	.46	.43	.28	1.5	35
20 x 20 x 2	700	.46	.43	.28	1.5	29
18 x 24 x 2	750	.46	.43	.28	1.5	32
16 x 25 x 2	700	.46	.43	.28	1.5	29
16 x 20 x 2	550	.46	.43	.28	1.5	29
12 x 24 x 2	500	.46	.43	.28	1.5	21

1. Actual dimensions are 5/8" less than nominal (24" x 24" is 23-3/8" x 23-3/8"). Actual depth: 4" is 3-3/4"; 2" is 1-3/4".

2. Variflow CS filters should be installed with the pleats vertical.

3. Filters can be operated up to 125% of rated velocity. Do not exceed rated velocity if temperature exceeds 350 °F.

4. All performance data is based on the ASHRAE 52.2-2007 Test Methods, at a test velocity of 246 FPM for 24x24x2 and 496 FPM for 24x24x4 nominal size filters.



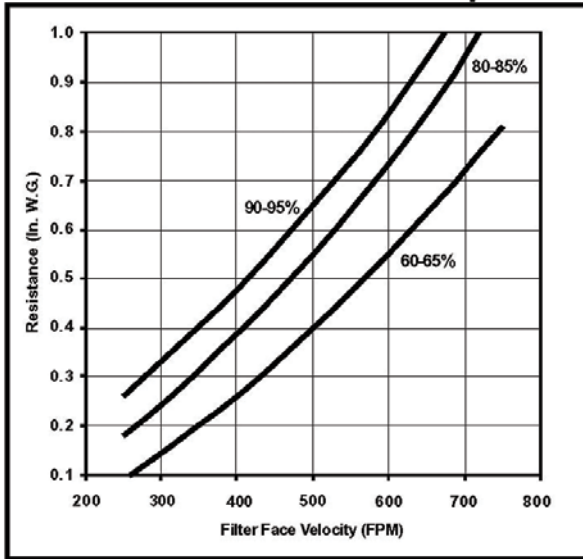
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VARIFLOW[®] Compact Series

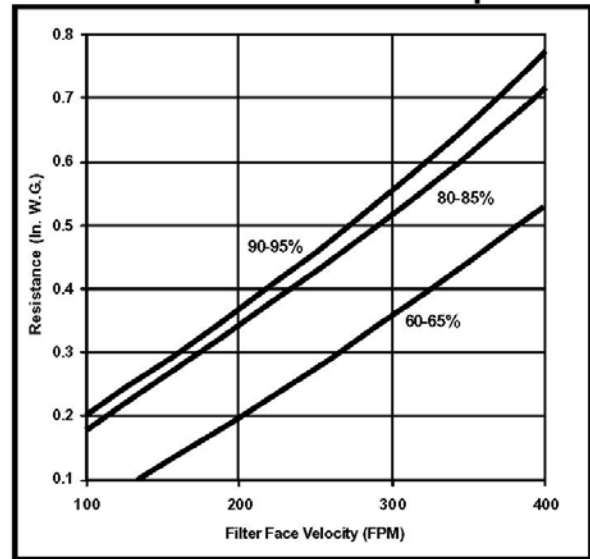
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Operating Data:

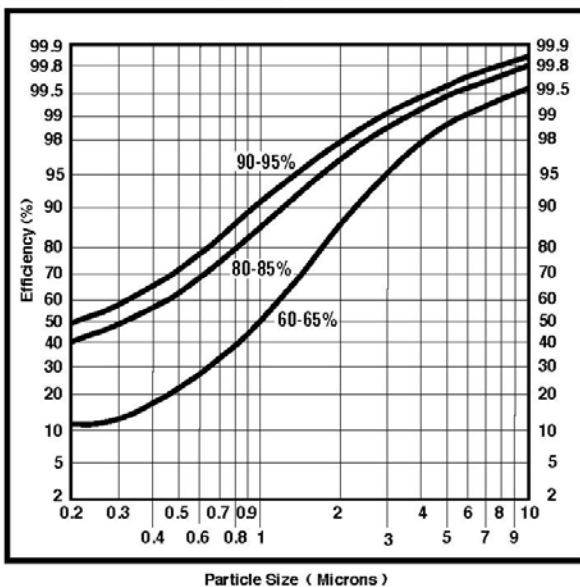
Initial Resistance - 4" Deep



Initial Resistance - 2" Deep



Efficiency by Particle Size



Underwriters Laboratories, Inc. Classification

Variflow CS filters are classified per U.L. Standard 900.

Operating Temperature Limit (Continuous)

750 °F (399 °C).

For applications where the temperature exceeds 350 °F, do not exceed filter rated velocity and final resistance of 1.2" W.G.



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WARNING: This product can expose you to chemicals, including formaldehyde and glass wool fibers, which are known to the State of California to cause cancer, and methanol, which is known to the State of California to cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov.



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