



# Variflow™ Compact Series

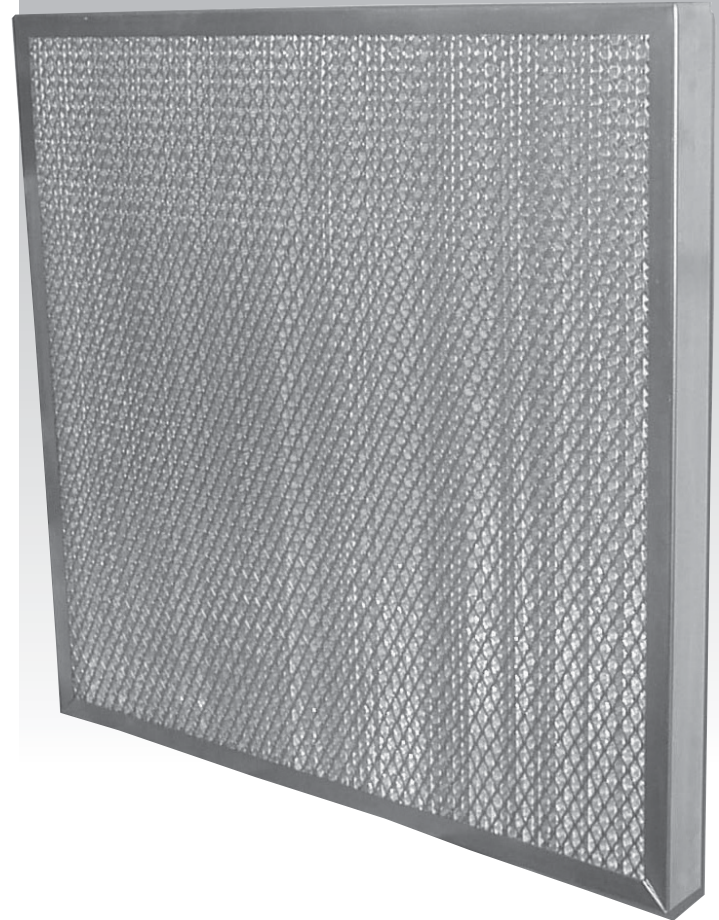
Rigid Cell Extended Surface Filters

## 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 UL Class 1
- 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 (Ft <sup>2</sup> )
		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.

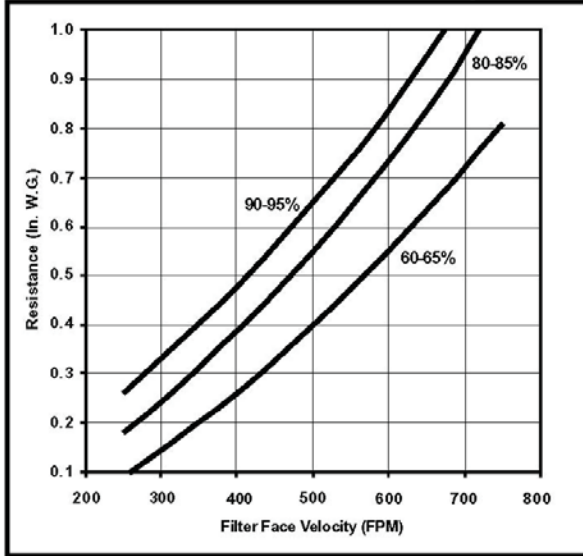
4. All performance data is based on the ASHRAE 52.2-2007 Test Methods, at a test velocity of 246 FPM for 24x24x2 and 496 FPM for 24x24x4 nominal size filters.

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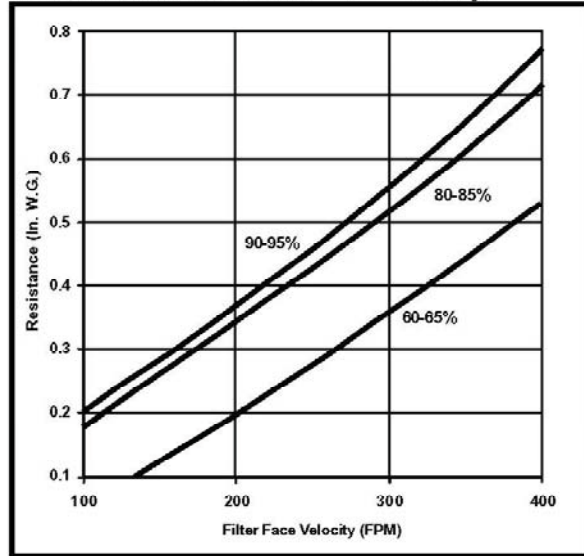
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## Operating Data:

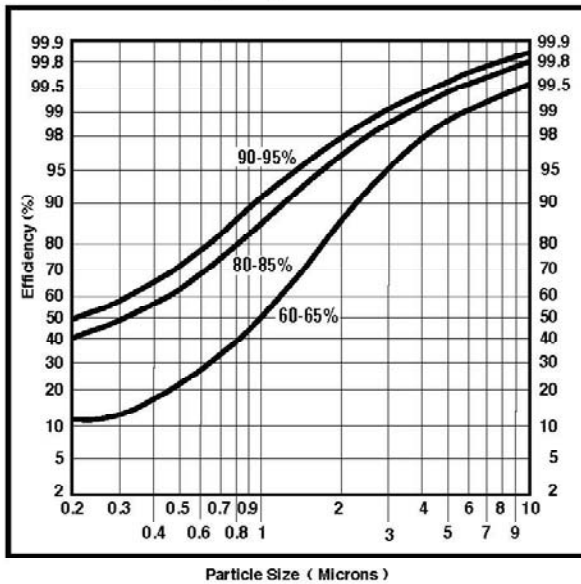
### Initial Resistance - 4" Deep



### Initial Resistance - 2" Deep



### Efficiency by Particle Size



### Underwriters Laboratories, Inc. Classification

Variflow CS filters are classified Class 1 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.

A-VFLOWCOMPACT -309



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