



VariCel® AM

High Efficiency Compact Filter For High Temperature Applications

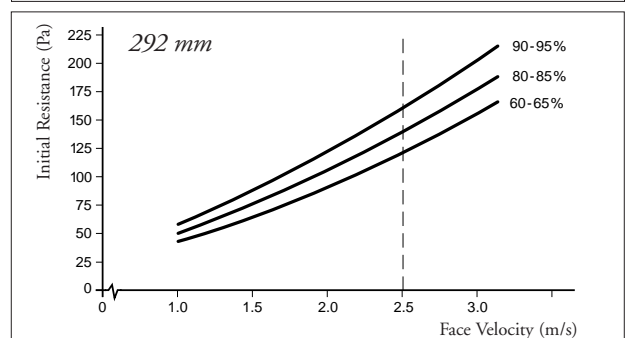
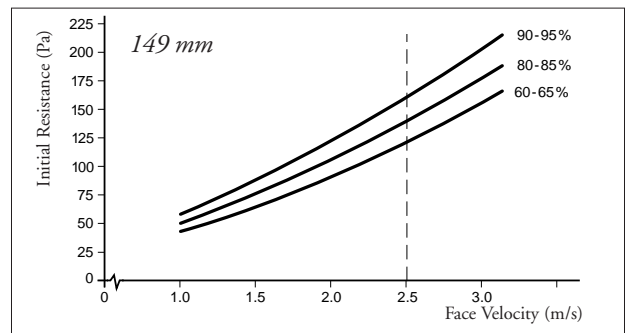
- High temperature operation upto 150° C
- Designed for difficult operating conditions
- High air capacity: 3400 m³/h
- Cost saving design
- Classification ranges F6, F7 and F8



The VariCel compact filter is designed for use in high temperature applications. Constructed from sturdy, heat resistant galvanized steel materials VariCel can handle temperatures upto 150 °C and maintain its performance in difficult operating conditions, including changes in air volume, turbulent airflow, repeated fan shutdown and intermittent exposure to water.

With an air capacity of 3400 m³/h and filter depth of only 292 mm, VariCel is ideal for front, rear and side access HVAC installations in which space is limited as fewer filters are required to handle the same volume of air compared to deeper filters with a lower capacity. The lower the installation space the lower the cost of the filtration system. VariCel is available in EN779 classification ranges F6, F7 and F8.

Initial Resistance vs Face Velocity





VariCel® AM

Specification

Maximum operating temperature	: 150 °C, provided final resistance is not exceeded
Media	: High quality water resistant glass fibres, pleated
Header and cell sides	: Corrosion resistant galvanized steel
Separators	: Corrugated aluminium
Support bars	: Corrosion resistant galvanized steel (air leaving side)

Technical Data

Actual Size mm W x H x D	Rated Air Flow ¹⁾		Initial Resistance Pa			Style Code
	m ³ /h	m ³ /s	VariCel 6 ²⁾	VariCel 9 ²⁾	VariCel 10 ²⁾	
			EN779	EN779	EN779	
594x594x149	1700	0.47	50	75	85	⁴⁾ 24.24 - 6
492x619x149	1490	0.41	50	75	85	⁴⁾ 20.25 - 6
492x594x149	1450	0.40	50	75	85	⁴⁾ 20.24 - 6
492x492x149	1190	0.33	50	75	85	⁴⁾ 20.20 - 6
441x594x149	1275	0.35	50	75	85	⁴⁾ 18.24 - 6
391x619x149	1190	0.33	50	75	85	⁴⁾ 16.25 - 6
391x492x149	940	0.26	50	75	85	⁴⁾ 16.20 - 6
289x594x149	850	0.24	50	75	85	⁴⁾ 12.24 - 6
594x594x292	3400	0.94	120	140	150	⁴⁾ 24.24 - 12
492x619x292	2980	0.83	120	140	150	⁴⁾ 20.25 - 12
492x594x292	2900	0.81	120	140	150	⁴⁾ 20.24 - 12
492x492x292	2380	0.66	120	140	150	⁴⁾ 20.20 - 12
441x594x292	2550	0.71	120	140	150	⁴⁾ 18.24 - 12
391x619x292	2380	0.66	120	140	150	⁴⁾ 16.25 - 12
391x492x292	1870	0.52	120	140	150	⁴⁾ 16.20 - 12
289x594x292	1700	0.47	120	140	150	⁴⁾ 12.24 - 12
610x610x149	1700	0.47	50	75	85	⁴⁾ 24.24 - 6 DHFM ⁵⁾
305x610x149	850	0.24	50	75	85	⁴⁾ 12.24 - 6 DHFM ⁵⁾
610x610x292	3400	0.94	120	140	150	⁴⁾ 24.24 - 12 DHFM ⁵⁾
305x610x292	1700	0.47	120	140	150	⁴⁾ 12.24 - 12 DHFM ⁵⁾
594x594x149	1700	0.47	50	75	85	⁴⁾ 24.24 - 6 DHF ⁴⁾
289x594x149	850	0.24	50	75	85	⁴⁾ 12.24 - 6 DHF ⁴⁾
594x594x292	3400	0.94	120	140	150	⁴⁾ 24.24 - 12 DHF ⁴⁾
289x594x292	1700	0.47	120	140	150	⁴⁾ 12.24 - 12 DHF ⁴⁾

- 1) Filters can be operated up to 125% of rated capacity.
- 2) VariCel 6: Average Efficiency: 60 - 65%, VariCel 9: Average Efficiency: 80 - 85%, VariCel 10: Average Efficiency: 90 - 95%.
Data according to EN779 (ASHRAE 52-76)
- 3) Recommended maximum value. Filters can be operated to a lower final resistance without materially effecting filter efficiency.
- 4) Add 6 for VariCel 6, 9 for VariCel 9 and 10 for VariCel 10 (e.g. 10-24.24-6 for VariCel 10).
- 5) DHFM: Double Header Faceguards in Millimetre size; nominal size is actual size.

Underwriters' Laboratories Inc. Listing

VariCel filters are Class 1 approved when tested according to U.L. Standard 900.

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