



# VariCel<sup>®</sup> HT

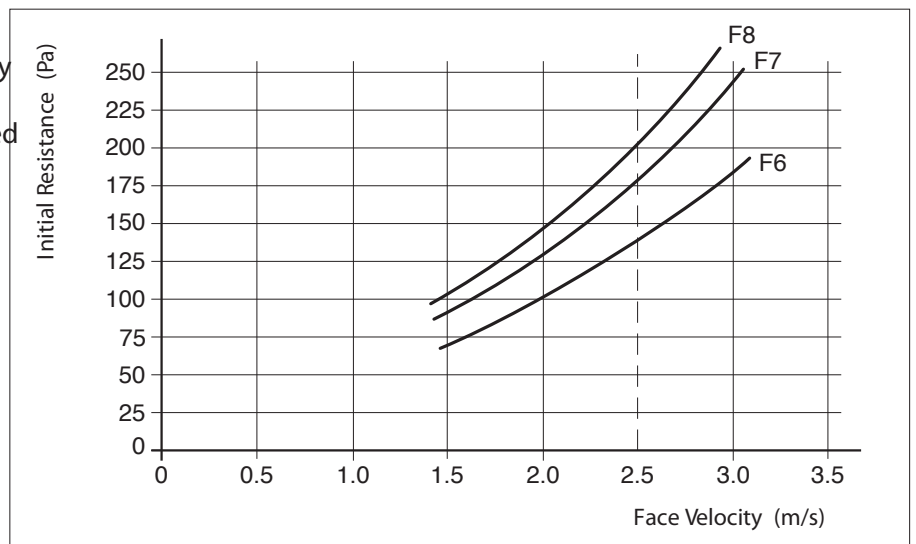
High Temperature Compact Filter for the Automotive Industry

Improves air quality in drying lines  
High temperature operation: 260°C - 480°C  
Robust, heat resistant aluminized materials  
Classification ranges F6, F7 and F8  
Silicon free construction



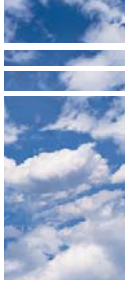
VariCel HT is designed for use in drying ovens. Made of sturdy aluminized steel this filter has a maximum continuous operating temperature of 385°C. Aluminized steel is used because it does not spall or flake at elevated temperatures. To ensure an high integrity construction, headers and cell sides are mechanically interlocked. The filter is silicon free: no adhesives, sealants or glues are used which could degrade at high temperatures, causing structural damage to the filter or affecting the quality of the drying process. Filter strength is further enhanced by aluminized faceguards and support bars on the leaving sides. The filter is available in the classification ranges F6, F7 and F8 in accordance with EN779:2002

Resistance vs Face Velocity



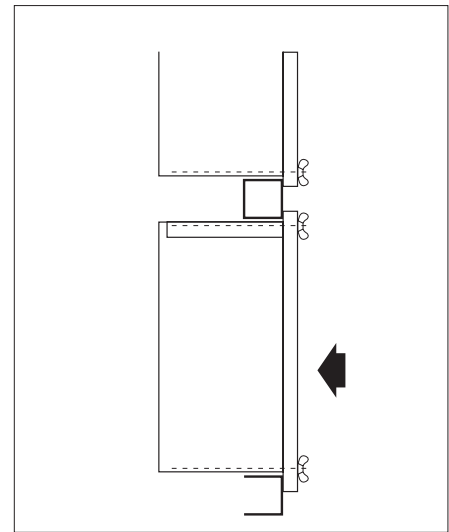
B E T T E R   A I R   I S   O U R   B U S I N E S S<sup>®</sup>





# VariCel® HT

## Installation example



## Specification

Maximum operating temperature	: 385°C, peak 480°C
Media	: High efficiency, water resistant glass fibre
Cell sides	: Aluminized steel
Header	: Extruded aluminium with provisions for gasket
Separators	: Corrugated aluminium
Gasket	: Glass rope on either the air leaving side or air entering side
Faceguards	: Aluminized steel
Support bars	: Aluminized steel (2 at right angles on air leaving side)

## Technical Data

Size <sup>1)</sup> mm W x H x D	Airflow capacity <sup>2)3)</sup>		Initial Resistance	Recommended Final Resistance <sup>4)</sup>	Filter Area	Filter Classification Acc. to EN779:2002
	Nm <sup>3</sup> /h	Nm <sup>3</sup> /s	Pa	Pa	m <sup>2</sup>	
592 x 592 x 292	3400	0.94	140	300	12.7	F6
287 x 592 x 292	1700	0.47	140	300	5.6	F6
610 x 610 x 292	3400	0.94	140	300	13.6	F6
305 x 610 x 292	1700	0.47	140	300	6.2	F6
592 x 592 x 292	3400	0.94	180	300	12.7	F7
287 x 592 x 292	1700	0.47	180	300	5.6	F7
610 x 610 x 292	3400	0.94	180	300	13.6	F7
305 x 610 x 292	1700	0.47	180	300	6.2	F7
592 x 592 x 292	3400	0.94	190	300	12.7	F8
287 x 592 x 292	1700	0.47	190	300	5.6	F8
610 x 610 x 292	3400	0.94	190	300	13.6	F8
305 x 610 x 292	1700	0.47	190	300	6.2	F8

### Notes:

- 1) VariCel HT filters should always be installed with the separators in a vertical position.
- 2) Airflow capacity based on condition - 20°C, Sea level - 1 Bar.
- 3) The airflow capacity is 100%. It can operate upto 25% above the suggested airflow capacity.
- 4) VariCel HT filters cannot operate in conditions that exceed a final resistance of 300 Pa.
- 5) VariCel HT filters are class 1 approved when tested according to U.L. Standard 900.
- 6) Other sizes upon application.

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