

CORNING



Stationary Emissions Control Solutions

Product Information

Benefits

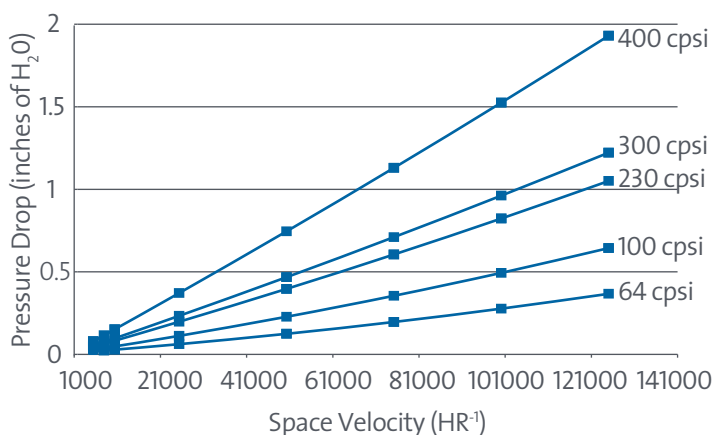
Corning® Celcor® substrates and Corning® DuraTrap® filters offer multiple benefits in stationary applications worldwide.

- Reduced pressure drop cuts fan load for significant energy savings
- Modularity provides high conversion efficiency while minimizing space requirements
- Light weight facilitates installation and servicing
- A low coefficient of thermal expansion creates high resistance to thermal shock, helping ensure integrity of the product over the anticipated life of the catalyst
- High thermal durability enables products to withstand operating temperatures of 2190° F (1200°C) and spikes to 2550°F (1410°C)

Applications

- Used in stationary catalytic systems to help curb air pollution from power plants, refineries, chemical processing plants, and other industrial applications
- Used in systems to reduce volatile organic compound (VOC) emissions from operations such as printers, dry cleaners, paint shops and plastic-mold shops

Excellent pressure drop



cpsi= cells per in²

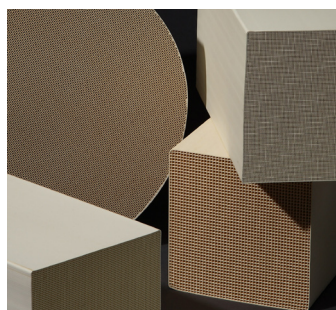
Modeling condition is room temperature, P=1 atm

Design flexibility

Cell densities for rectangular Corning Celcor substrates:

	64 cell thinwall	100 cell thinwall	230 cell thinwall	300 cell thinwall	400 cell thinwall
Wall thickness (in)	.012	.015	.007	.005	.007
Pitch (mm)	3.175	2.540	1.676	1.473	1.270
Geometric Surface Area (in ² /in ³)	29	33	54	63	69
Open Frontal Area	81.7%	68.9%	79.9%	82.0%	74.0%
Dimensions	<i>Length:</i> Ranges from 2 to 12 in (50.8 to 304.8 mm) <i>Width and Height:</i> 5.91 in (150 mm)				

A choice of cell densities and wall thicknesses helps optimize catalyst-bedding design.



Alternatives, such as round contours, are also available for stationary applications.

Products can be finished to fit various contours for use in large bed assemblies.

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Contact us today to learn more.

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The graph used in this publication is based on data from experimental and limited tests conducted under controlled laboratory conditions, measurements, and calculations sponsored by Corning. Corning can provide additional calculations or test results based on specific operating conditions.

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