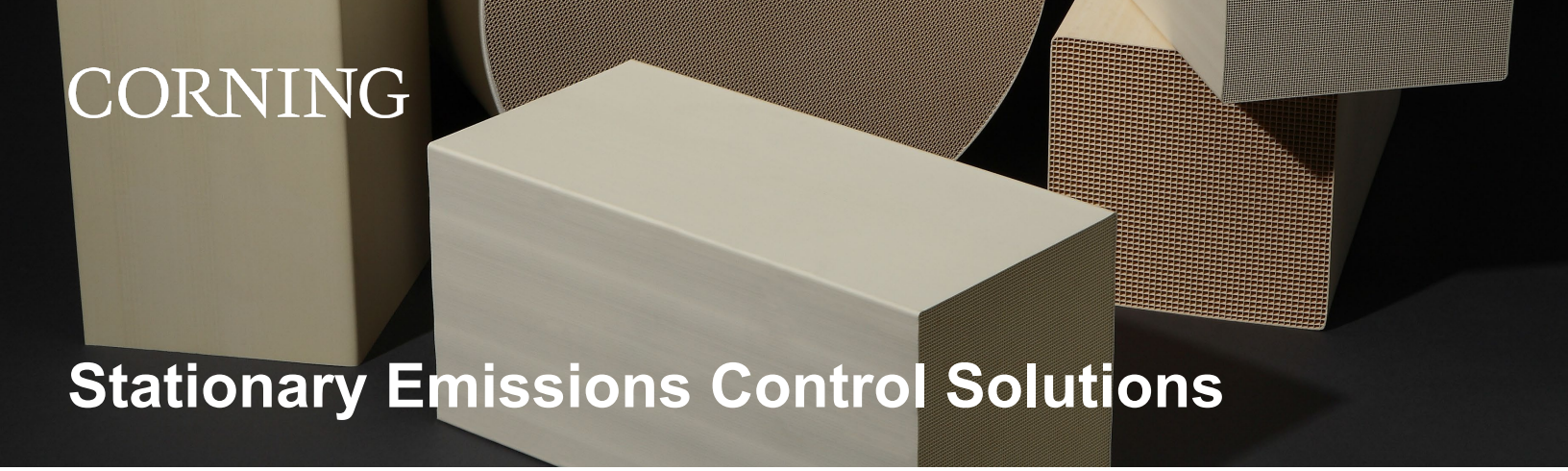


CORNING

Stationary Emissions Control Solutions

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

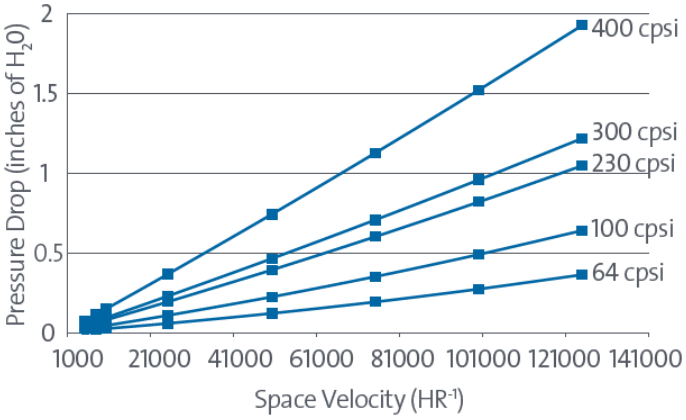
Applications

- 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

Benefits

- 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 2,190ºF (1,200ºC) and spikes to 2,550ºF (1,410ºC)

Excellent pressure drop



cpsi= cells per in^2
Modeling condition is room temperature, P=1 atm

Design flexibility

A broad portfolio of cell densities and wall thicknesses helps optimize catalyst-bedding design.
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	Length: Ranges from 2 to 12 in (50.8 to 304.8 mm) Width and Height: 5.91 in (150 mm)				

**Alternatives, such as round contours, are also available.*

Contact Us

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