



**Setting the standard for clean diesel.**

Corning's broad portfolio of heavy-duty diesel particulate filters can help you meet even the most challenging emissions standards. A proven solution, Corning's filters have been used in millions of vehicles. An innovative, monolithic design is the hallmark of our product family.

## Product Information

### Discover Advanced Solutions with Corning® DuraTrap® Filters

- Best-in-class technical expertise from the company that pioneered emissions control systems worldwide
- Extensive product range to address tightening global standards
- Portfolio and attributes enable a wide range of after-treatment engineering solutions
- Innovative monolithic structure optimizes space utilization

### Applications

For heavy-duty on-road and non-road diesel vehicles such as trucks, construction equipment, and agricultural equipment

### Design Characteristics

Corning DuraTrap AT and AC filters are designed for the highest level of performance.

- Controlled porosity and mean pore size, plus thin-wall product options, enable high filtration efficiency
- Low expansion and low thermal conductivity provide excellent regeneration performance as well as long-term durability
- Pressure drop performance is enhanced by tailored filter geometry and microstructure attributes
- Large frontal area (LFA) options can improve performance by lowering back pressure and increasing geometric surface area
- Corning's innovative asymmetric cell technology (ACT) provides ash storage benefits and can help manage lifetime pressure drop requirements

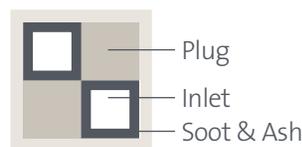
### Product Attributes

	Corning DuraTrap AC	Corning DuraTrap AT
Description	Advanced cordierite for lower overall system costs	Aluminum titanate for robustness and durability
Monolithic Structure	Yes	Yes
Nominal CTE [RT-800°C, x10 <sup>-7</sup> 1/°C]	4	5
Nominal Intrinsic Density [g/cm <sup>3</sup> ]	2.5	3.5
Nominal Porosity [%]	50	50
Nominal Median Pore Size [µm]	19	15

### Asymmetric Cell Technology

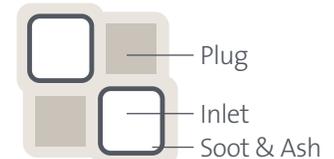
#### Symmetric

Inlet, outlet same size



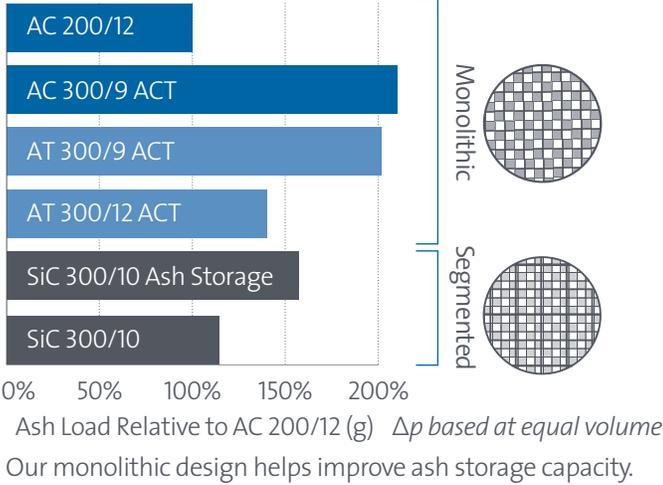
#### Asymmetric (ACT)

Larger inlet, smaller outlet

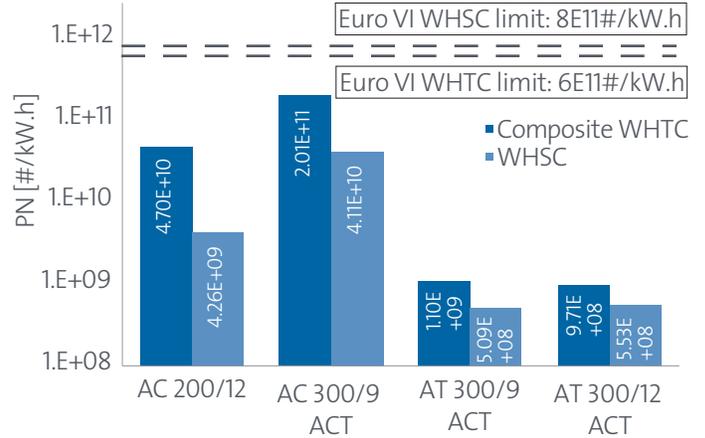


# Corning® DuraTrap® Filters for Heavy-Duty Diesel Engines

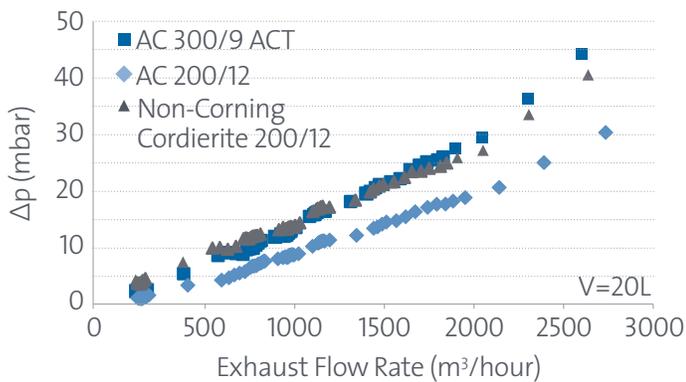
## High ash storage capacity



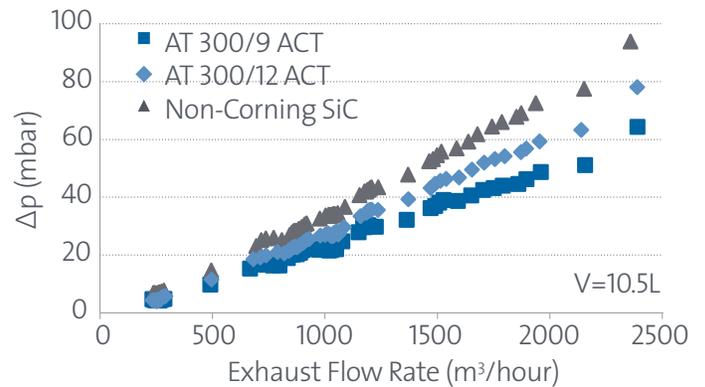
## Excellent filtration efficiency



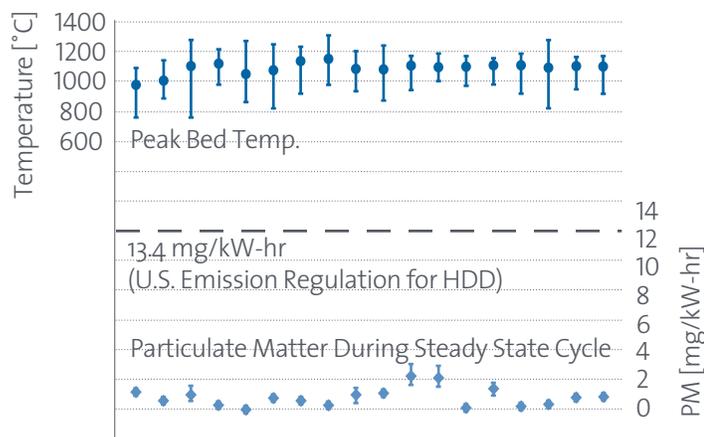
## DuraTrap AC filters set the standard for pressure drop



## DuraTrap AT products offer superior pressure drop



## AT maintains robustness under severe conditions



# CORNING

Contact us today to learn more.

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[www.corning.com/EnvironmentalTechnologies](http://www.corning.com/EnvironmentalTechnologies)

The charts and graphs used in this publication are 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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