

What is Smog?

An internal combustion engine emits pollutants which contribute to smog. Smog consists of unburned fuel fumes, carbon monoxide, and various forms of nitrogen oxides, especially after exposure to sunlight, that scatter light and contaminate lungs.

Why Lawnmowers?

The EPA estimates that gasoline-powered lawnmowers are responsible for 5% of all air pollution in the United States. Similarly, the California Air Resources Board (CARB) estimates that lawnmowers are responsible for 2% of smog-forming pollutants emitted each year in California. According to CARB, a 2006 lawnmower contributes 93 times more smog-forming emissions than a 2006 passenger automobile.

What are Catalytic Converters?

Catalytic converters are devices through which exhaust gases are directed before being released into the atmosphere. Exhaust gases are directed through them before being released into the atmosphere. They convert smog-producing pollutants into water vapor, nitrogen, and carbon dioxide (though catalytic converters have no effect on carbon emissions).

www.smogavenger.com



Example of an automotive catalytic converter.

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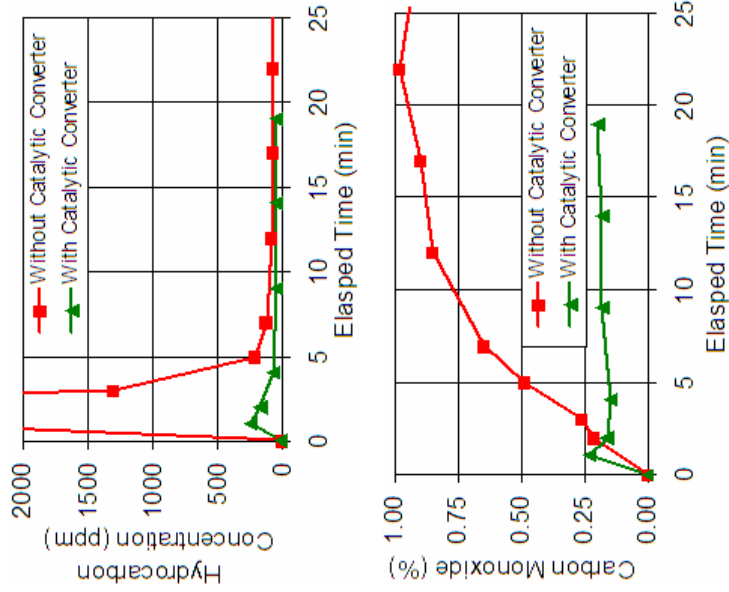
Smog Avenger™ Small-Engine Catalytic Converters



Do your part to improve the environment and save lives!!! Replace your existing lawnmower muffler with a Smog Avenger™ catalytic converter.

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Smog Avenger™ Reduction of Smog-Producing Pollutants



Note in the figures above that carbon monoxide suppression occurs once the lawnmower under test had warmed up, while the hydrocarbon emissions were suppressed in the very beginning when the engine was still cold. If every existing lawnmower had its muffler replaced with a Smog Avenger™ catalytic converter, a net reduction of roughly 3% in air pollution in the United States could be expected!

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Technical Benefits

- Measured factor of 3x to 5x reduction in the emission of smog-producing pollutants
- Elimination of the exhaust "smell" of your equipment
- Though not a design feature, markedly quieter operation
- Management of exhaust temperature

Public Relations

The use of the Smog Avenger™ line of catalytic converters is a great way for any Company or Organization to demonstrate that it is environmentally friendly. As part of the sales process, we provide your Company or Organization with promotional materials such as flyers and brochures for distribution to your customers and clients. We also provide stickers for your lawnmowers and other small-engine implements that inform your employees about your commitment to the environment, reinforcing their work habits that promote a clean and safe facility.

Pricing

The base price of our catalytic converter depends on the complexity of muffler being replaced, the diameter of the exhaust port on the engine, and the number of brackets and other attachments for such things as heat shields. Volume discounts are available.

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Custom Engineering

Because of the diversity of muffler size and shapes, we provide customization services to ensure that all catalytic converters match directly to the muffler they are replacing. The picture on the front flap of this brochure shows one of the Smog Avenger™ catalytic converters that fits in place of a greens mower muffler. Because each lawnmower brand and model has a different size and shape muffler, there is a reasonable chance that your catalytic converter size and shape will not yet be in our database. Therefore, we have set up a production line that assume up-front engineering with every order. We work with each individual Company or Organization to develop the correct Smog Avenger™ units for their brand and model of mowers or implements.

Contact for Sales/Info

To set up an appointment with, or ask questions of, a sales associate, please contact Alex or Jeff below.



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