



DeSOPH silencer

oxidation catalyst for diesel engines

Clean Air Power, a leader in developing emissions reduction technology for more than 30 years, provides a full line of emissions reduction solutions to address widespread health and environmental issues.

One of the the most widely used catalytic converter technologies is the oxidation catalyst, which simultaneously reduces CO, smoke, odor, particulates hydrocarbons as well as VOCs and HAPs. This is a simple and cost-effective emission reduction strategy with no reagents or moving parts.

meet or exceed emissions regulations

Significantly reduces emissions to comply with EPA, state, and other air quality district regulations.

easy and inexpensive installation

The DeSOPH Silencer is ideal for original installation, and minimizes pipe fitting and welding time in retrofit installation. Use in retrofit applications provides a free upgrade to the exhaust system by lowering back pressure and reducing noise output.

long life and reduced replacement costs

The DeSOPH Silencer catalyst housings are designed to last 7-10 years and are typically not replaced when a replacement catalyst is purchased. Therefore, replacement catalysts are available at a fraction of the cost of new converters from competitors. Furthermore, unlike other catalysts, Clean Air Power catalysts can be repaired when damaged by

backfires or other upset conditions. To reduce the effects of engine backfires, Clean Air Power's patented backfire port diverts backfire gases away from the valuable catalyst module. These advantages make the DeSOPH Silencer the best value.

two year performance warranty

Clean Air Power has a comprehensive performance warranty and reliable customer service which makes the aftertreatment product line the reliable answer to your compliance needs.

material selection and construction

Each catalyst module has redundant seals that allow for thermal expansion and eliminate bypass. Materials are selected based on each application to ensure durability and high performance. Quality materials and construction methods are used throughout the manufacturing process.

noise reduction

Clean Air Power's catalytic silencer products have the added benefit of reducing noise to comply with OSHA and other standards. They are offered in industrial, residential, hospital grade or custom silencing levels.

With the Clean Air Power DeSOPH Silencer, you receive all the benefits of continuous performance and compliance, in an affordable and effective system.



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common DeSOPH silencer models

DeSOPH Model #	App Eng HP	A Dim (in)	B Dim (in)	C Dim (in)	App ACFM
10310M	100	60	10	4	750
20714M	200	70	14	6	1500
42522M	500	75	22	10	3000
57526M	700	90	26	10	4500
74530M	900	100	30	12	6000
96834M	1200	116	34	16	7500
103136M	1400	124	36	16	9000
117042M	1600	130	42	18	10000
124542M	1700	130	42	18	11000
151142M	1900	130	42	20	12000
165344M	2000	155	44	20	13500
181252M	2400	170	52	24	15000

NOTES

1. Models shown are common sizes for horizontal configurations with commercial silencing. Intermediate sizes are also available.
2. All dimensions are approximate and subject to change without notice.
3. HP and Flow ratings are approximations and will vary with specifications.

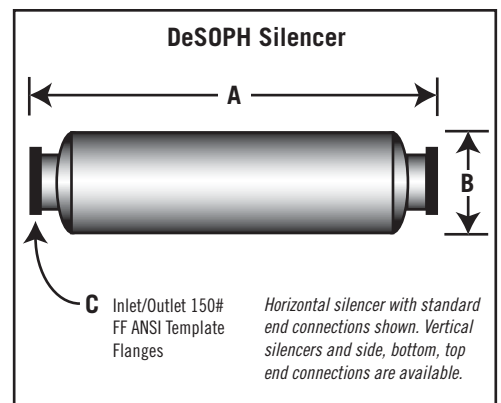
performance and specifications

Performance stated below reflects the upper limit of DeSOPH system performance. Performance guarantees available on installation-specific basis.

PM reduction (10 micron and larger)	90% or more
CO reduction	90% or more
HC reduction (including some HAPs)	Up to 99%
Odor reduction	Yes
Smoke reduction	Yes

weights and dimensions

Contact Clean Air Power for a dimensional drawing to suit your application. The DeSOPH Silencer can be designed for any size engine.



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