



DeNOx SCR silencer

for diesel, lean burn gas, and dual-fuel engines

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

The DeNOx SCR Silencer utilizes Selective Catalytic Reduction (SCR) technology. It employs ammonia or urea injection with a catalyst formulated specifically for reduction of NOx. An oxidation catalyst is typically incorporated to reduce other pollutants produced from the combustion of fossil fuels, such as carbon monoxide (CO), unburned hydrocarbons (UHCs), volatile organic compounds (VOC's), and hazardous air pollutants (HAPs).

The Clean Air Power DeNOx Silencer possesses many exceptional features to address your needs.

lower installed cost

The design flexibility of the DeNOx Silencer contributes to optimization of the exhaust system design for lower installed cost. A patented design combining the catalytic converter and exhaust silencer into a single unit results in an innovative, compact system that reduces footprint, pressure drop, piping, and other associated costs.

meet or exceed emissions regulations

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

two year performance warranty

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

noise reduction

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.

packaged instrumentation and controls

Clean Air Power employs ammonia or urea injection, as appropriate, based on your needs and preferences. All control packages include appropriate logic, set points, and alarms for reliable operation and safe shutdown.

catalyst selection

Clean Air Power offers a family of catalysts that are suitable for most IC engine applications and can withstand the high operating temperatures encountered. Where catalyst temperatures range is between 550-750°F, Clean Air Power offers a vanadia/titania SCR catalyst. A high temperature vanadia-based formulation that is suitable for temperatures up to 850°F is also available for approved applications. When exhaust gas temperatures exceed this limit, a high temperature zeolite catalyst is utilized.

patented design ensures high performance

The DeNOx SCR Silencer patented design ensures high catalyst performance and minimizes ammonia oxidation. This is a tremendous advantage in high temperature applications when methods of temperature control are not practical or thermal insulation is required.

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



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common DeNOx SCR silencer models

DNOx Model #	App Eng HP	A Dim (in)	B Dim (in)	C Dim (in)	D Dim (in)	App ACFM
26WR8	400	102	20	38	8	2600
41WR10	600	125	24	48	10	4100
59WR12	900	130	26	56	12	5900
77WR14	1200	140	30	64	14	7700
95WR16	1500	164	36	72	16	9500
119WR18	1900	197	42	72	18	11900
149WR20	2400	197	42	82	20	14900
173WR22	2800	219	48	90	22	17300
197WR24	3200	231	54	98	24	19700
245WR26	4000	231	54	106	26	24500
281WR28	4600	260	60	116	28	28100
329WR30	5400	272	66	124	30	32900

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.

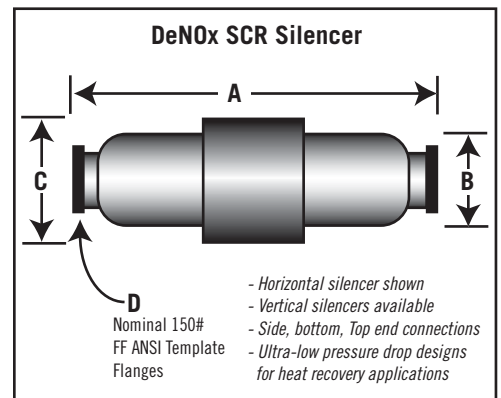
performance and specifications

Performance stated below reflects the upper limit of SCR system performance with an oxidation catalyst. Performance guarantees available on installation-specific basis.

NOx reduction	98%
CO & aldehyde reduction	98%
VOC reduction	70%
Odor reduction	Yes
Smoke reduction	Yes

weights and dimensions

Contact Clean Air Power for a dimensional drawing to suit your application.



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