



## three way DeNOx silencer

non selective catalytic reduction (NSCR)  
for rich burn gas 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.

Clean Air Power's Three-Way DeNOx Silencer uses Non-Selective Catalytic Reduction technology (NSCR) technology and possesses many exceptional features to address your needs.

### meet or exceed emissions regulations

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

### easy and inexpensive installation

The Three-Way DeNOx 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 Three-Way DeNOx 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 three-way DeNOx 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.

### automatic air/fuel ratio controller

Exhaust emission control is dependent on an engine air/fuel ratio controller that maintains the oxygen content within a tight operating window to achieve high conversion of NOx, CO, and other pollutants. An example performance curve is provided below. The Three-Way DeNOx Silencer can be supplied with either an optional Clean Air Power automatic air/fuel ratio controller or a third party controller.

### material selection and construction

Each Clean Air Power 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 Three-Way DeNOx Silencer, you receive all the benefits of continuous performance and compliance, in an affordable and effective system.



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### common NSCR silencer models

NSCR Model #	App Eng HP	A Dim (in)	B Dim (in)	C Dim (in)	App ACFM
DN/S3.5/4.5/3	100	55	8	3	450
DN/S8.5/12/5	200	65	12	5	1000
DN/S16/18/6	350	70	16	6	1600
DN/S32/38/10	450	75	20	8	2000
DN/S32/38/10	700	75	22	10	3000
DN/S45/54/12	1000	85	28	10	4500
DN/S55/65/12	1250	75	30	12	6000
DN/S65/75/14	1500	100	32	14	7200
DN/S75/85/14	1750	108	32	14	8000
DN/S85/90/16	1900	124	36	16	9000
DN/S90/100/16	2000	124	38	16	10000
DN/S100/120/18	2500	130	42	18	12000

#### 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.

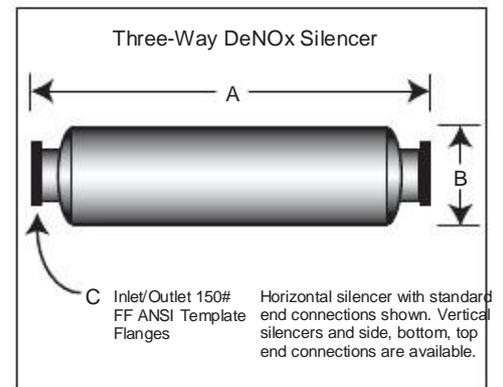
### performance and specifications

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

HAP & aldehyde reduction	98% or more
CO reduction	99% or more
NOx reduction	99% or more
VOC reduction	70% or more

### weights and dimensions

Contact Clean Air Power for a dimensional drawing to suit your application. A Three-Way DeNOx Silencer can be designed for any size engine.



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