

NSCR THREE-WAY

Catalysts Elements

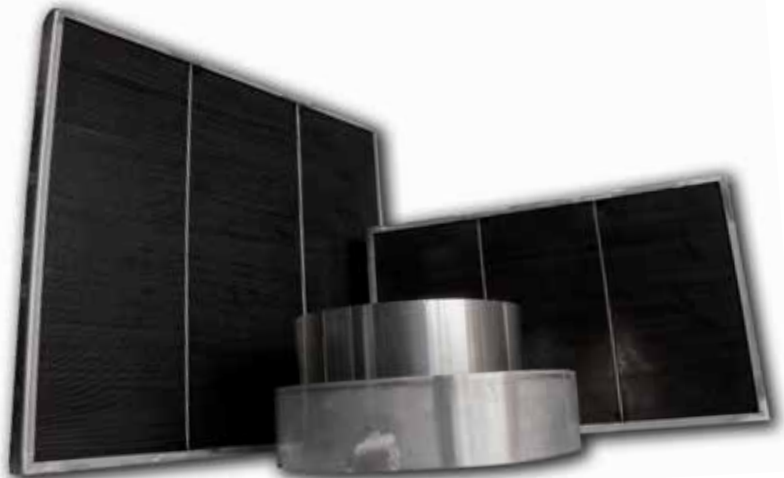
NSCR THREE-WAY CATALYSTS OVERVIEW

Maxim Silencers Non-Selective Catalytic Reduction (NSCR) or Three-Way catalysts control emissions of Nitrogen Oxides (NOx), Carbon Monoxide (CO), Unburned Hydrocarbons (HCs), Volatile Organic Compounds (VOCs), and Hazardous Air Pollutants (HAPs) from rich burn internal combustion engines. The technique of maximizing surface exposure of the precious metals on the substrate results in a high activity catalyst that is both durable and efficient.

Maxim Silencers can provide standard catalysts; Available in round, rectangular, oblong and octagonal configuration. No engine is too big or too small. Let us design and build a catalyst for your IC engines and run with the confidence of guaranteed compliance. Replacement elements can be made to fit any existing housing in all shapes & sizes including brand name replacements.

PRODUCT DATA

- Destructive Efficiencies: up to 99%
- Pressure Drop: Variable; quoted per specifications
- Working Range: from 550° F up to 1250° F
- Catalyst Substrate:
 - Metal honeycombs up to 48" square, round or oblong
 - Cell densities from 20 cpsi to 700 cpsi
 - Catalyst module depth from 3/4" up to 6"
 - Foil thickness of 0.002"



FEATURES & BENEFITS

- Low pressure drop
- Wide operating temperature range
- Easily cleaned and reactivated
- No nesting or telescoping design
- Variety of cell densities
- Parallel flow reduces plugging
- Custom designed based on application
- Test cores for aging assessment

EMISSION SOURCES

- IC Engines
- Broilers
- Gas Turbine
- Chemical Processes

FUELS

- Natural Gas
- Diesel
- LPG
- Propane
- Biodiesel
- Dual Fuel

EMISSION COMPLIANCE

- NOx
- CO
- HCs
- VOCs
- HAPs

Plus

- Platinum Only
- Crystal Size
- Telescopic Bars
- No Brazing
- In-House Laboratory
- In-House Production
- Quality Control