



Noise & Emission Control

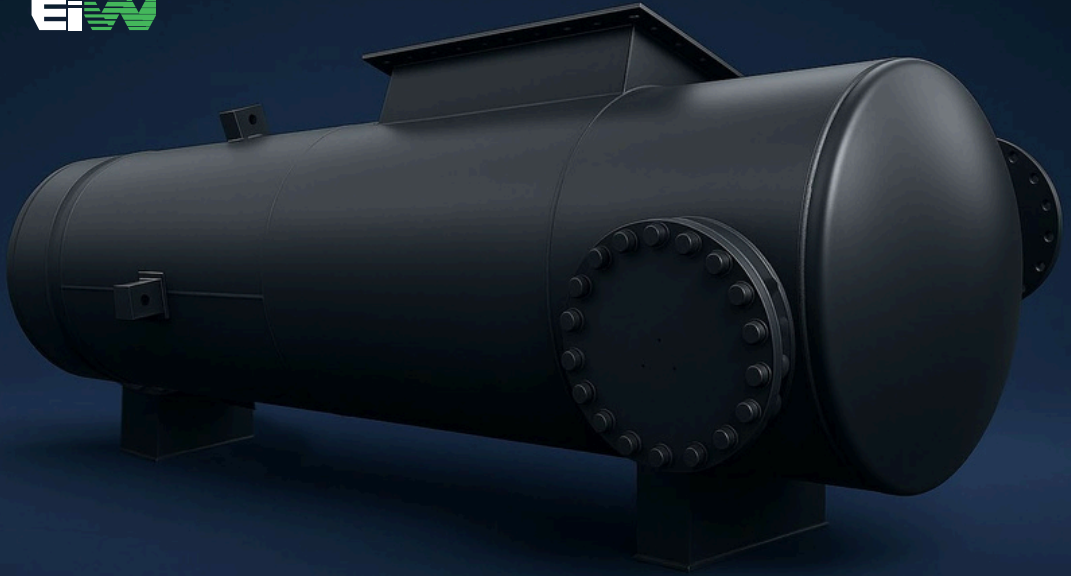


3-WAY CATALYTIC SILENCERS (3WC)



Emissions Reduction for Rich-Burn
Natural Gas Engines.





Our 3-Way Catalyst systems provide simultaneous reduction of NO_x, Carbon Monoxide (CO), and unburned Hydrocarbons (HC) in rich-burn natural gas engines. These systems are available as standalone catalysts or fully integrated catalytic silencers, providing emissions control and acoustic attenuation in one compact assembly. Each solution is engineered to meet site-specific flow, temperature, and backpressure requirements.

Key Performance Advantages

- ✓ Reduces NO_x to nitrogen (N₂)
- ✓ Oxidizes CO and HC to CO₂ and H₂O
- ✓ Low pressure drop design
- ✓ Available as single-unit catalytic silencer
- ✓ Compatible with major natural gas generator platforms

Compatible Engine Manufacturers

Caterpillar • Cummins • Waukesha • Jenbacher (INNIO) • DEUTZ • PSI • MTU
and other rich-burn natural gas applications



What's Required to Design a System

Exhaust flow & temperature profile

Maximum allowable backpressure

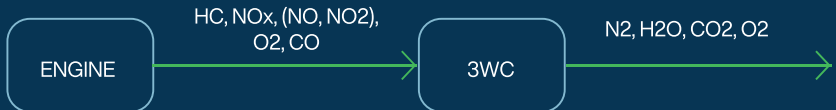
Target emissions levels vs baseline

Genset enclosure / site layout

Noise attenuation requirements

Installation space & orientation constraints

3-Way Catalyst Reaction Path



Integrated Catalytic Silencer Option

Combines catalyst + silencer into one housing

Ideal for packaged enclosures and retrofits

Reduces space requirements and installation complexity

Industries / Applications

Power Generation

CHP

Oil & Gas Processing

Industrial Facilities

Utilities



Our Process

Engine
Specs



Acoustic +
Emissions Targets



System
Engineering



Delivery &
Support

Contact our team to begin the specification and sizing process
for your engine platform.

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