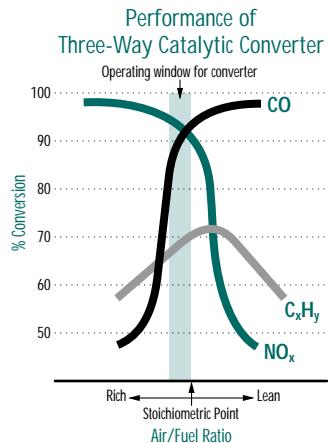


Leading the way to cleaner air

# MINE-X® Catalytic Converters



## *State of the Art Emission Control*

The MINE-X® catalytic converter cleans the exhaust of stationary IC engines, bringing industrial machinery into emissions compliance in a cost-effective and worry-free manner. The MINE-X® catalytic converter is ideal for engines 800hp and smaller, in uses such as gas compression, power generation, co-generation and pumping.

A variety of catalyst types are offered, including:

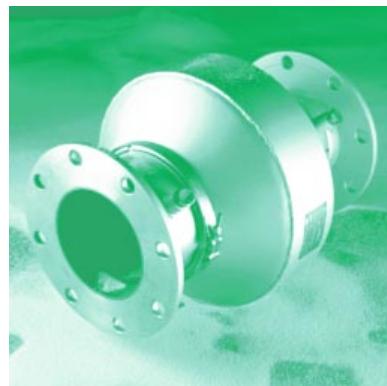
- three-way catalysts for rich-burn engines;
- oxidation catalysts for lean-burn engines; and
- diesel-oxidation catalysts for diesel engines.

## *Rugged and Easy to Service*

MINE-X® units have logged millions of hours of trouble-free operation around the world and are backed by a no-nonsense warranty. Designed for continuous operation, the MINE-X® catalytic converter is extremely reliable and can withstand high mechanical and thermal shock. The metal foils of the catalyst substrate are arranged in a unique S-shaped geometry and brazed in a patented process, creating a strong, compact and efficient unit. As a result, the substrate interior does not experience nesting, plugging or cracking of the cells. Catalyst substrates can be removed in about a minute by simply opening a pair of quick-release clamps, making this design easy to service.

## *What You Want, When You Want It*

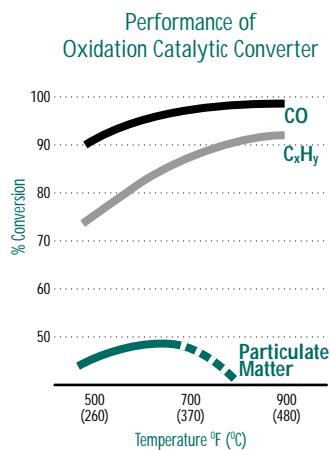
The MINE-X® catalytic converter is available in a wide variety of sizes and configurations that can connect to any type of exhaust system, including those using ASA and metric flanges. DCL can supply the MINE-X® with an optional silencer add-on. We can shorten the MINE-X® design to fit into very tight spaces, allowing it to be used with an existing silencer. Special features such as custom measurement ports, support saddles and much more can also be added as required by our customers. DCL lead times are better than industry standards, even for highly customized projects.



### **MINE-X® Catalytic Converter**

*A patented high-durability design with v-clamps for easy catalyst servicing, for small to medium sized engines.*

# MINE-X® Catalytic Converters



## Features and Benefits

The MINE-X® catalytic converter includes the following features and benefits:

- brazed substrate interior eliminates the problems of telescoping, loosening or cracking of the substrate honeycomb;
- S-shaped substrate interior geometry prevents plugging and nesting due to thermal expansion;
- quick-release clamps allow for easy field servicing of the catalyst substrates;
- ultra-thin metal substrate foils increase the interior void space, which results in a lower back-pressure;
- rugged stainless steel construction resists damage due to thermal and mechanical stress;
- steel catalyst substrate with highly active coating ensures high conversion efficiencies;
- modular design allows for future upgrades to meet more stringent emissions standards;
- cone shaped inlet designed to achieve uniform flow distribution across the catalyst substrate; and
- various monitoring ports to provide accessibility for checking emissions, back-pressure and temperature.

## Complete Clean Air Solutions

DCL and our worldwide network of representatives offer customers the very best in on-site technical support – before, during and after the sale. Along with MINE-X® catalytic converters, DCL offers a complete range of emission related equipment and services, including air/fuel ratio controllers, start-up support, emission testing, catalyst washing, consulting and on-going maintenance.



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