



Developing leading edge catalyst technology for Diesel Exhaust Systems

EZCat™

A Revolutionary Product in Diesel Exhaust Emissions Control Systems

Controlling CO, HC, and PM traditionally requires a combination of a DOC and a CDPF, where the filter element needs heat sources to burn off soot. The devices require additional capital, additional maintenance, and additional downtime.

Now, AirFlow Catalyst Systems is reinventing emissions control with technology that eliminates routine maintenance, reduces costs and increases operational efficiencies.

The outcome... **EZCat™** — A simple yet revolutionary filter device that is best suited for reducing DPM and other diesel emissions in frequent idling operations and operations where CO minimization is also a priority.

EZCat, named for its low maintenance operation, is efficient and delivers *Value*:

- **Passively regenerating**, resulting in durability, longevity, **less downtime, less maintenance**
- No external fuel injection >> **no expensive control equipment**
- **Broad range of operating temperatures** (proven effective as low as 175°C for up to 70% of run time**)
- **Self-contained single unit requires no accessory equipment** (except where required by law)
- **Requires less space**

Proven Performance — MSHA Listed *†	
Filter Efficiency	93%
CO	94%
Ventilation	Meets Requirements

**EZCat meets the 2.5G/H Filter Efficiency requirements
of 97% of engines listed by MSHA (Jan. 2011)**

*7.69-30 CFR, ISO 8 mode test
** John Deere 45 engine on Ingersoll Rand Air Compressor
† See www.msha.gov/01-995/Coal/DPM-FilterEfflist.pdf



Inlet End of Assembly

Exhaust End of Assembly

Using AirFlow's EZCat™ device, PM visible on the inlet does not appear on the assembly exhaust.

Rugged Construction

AirFlow's EZCat™ is built for operating in rugged environments such as tunnels and underground mines. Physical features that add value and maximize performance efficiency:

- Canned in sturdy stainless steel material
- Constructed to withstand vibration
- Cooling jacketing available upon request



Proven Performance—Customer Tested

“We would normally see a blue haze in that area of the mine. The air was clear with your catalytic converter on the generator”

— Mine Maintenance Manager

AirFlow's EZCat Can Be Customized for a variety of applications:

Mining
Generator Sets

Construction
Locomotive

Forestry
Marine

The AirFlow Difference:

Industry-leading services:

- Customized Solutions
- Engineering Expertise
- Coating Expertise
- Technical Support (pre-, during, post-installation)
- Customer Service Focus

Additional industry leading products from AirFlow:

- MinNoCat™: Passively regenerating emissions reduction system, continuous operations
- EZDoc™: Diesel Oxidation Catalyst Systems
- Custom Coatings

For more information, please contact



John Belgiorno
AirFlow Catalyst Systems, Inc.
Sales & Marketing Manager, North America
183 East Main Street, Suite 925
Rochester, NY 14604 USA

Phone: 585-295-1510
Fax: 585-295-1515
E-mail: jbelgiorno@AirFlowCatalyst.com
www.AirFlowCatalyst.com