

Retrofit DPF systems for UPS generating sets



GenCat

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GenCat Ltd

Suppliers of exhaust after treatment systems for diesel engines; high attenuation silencers, DPF systems & catalytic converters for almost any diesel engine application.

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Retrofit DPF systems for UPS generating sets

The problem
DPF regeneration
Solution
Catalytic converters
Case study
Questions

Introduction to the problem

UPS in close proximity to windows or air intake systems for heating and ventilation, or in car parks

Due to limited space, city locations and retrofit

Toxins in diesel exhaust include HC, PM, CO

Complaints about smoke, fumes and smell

Contamination/soiling in manufacturing/storage sites

The Solution:

Fit a Cat and DPF

Multiple Options in DPF systems

But specifically for Standby?

Considerations:

Running time, exhaust temperature

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A word about regenerative systems

High temperature and long running time required

Suitable for prime power, wall flow silicon carbide.

The filter will block and need downtime to be regenerated, engine will be down on power, can damage both filter and engine

Heating elements, diesel injection etc. available but complicated with management systems and expensive

Non- Regenerative DPF System UGET 3+

Over 99% reduction in particulates (PM) to 20microns

Decrease in smell

15dB(A) Incidental silencing

Filter life 250 hrs – 10 years+

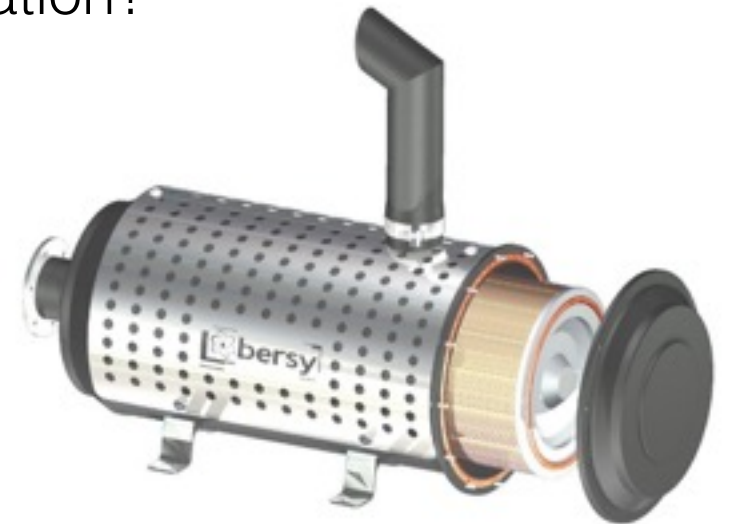


Non- Regenerative DPF System UGET 3+

Mechanical filtration – Steel/Glass fibres

Easy to change elements

EST certified for London NRMM – Future regulation?
Available from 7kW to over 3MW



Add a Catalytic Converter for maximum emissions control:

CO 90% reduction and HC



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DPF Accessories:

Backpressure Monitor
Backpressure Valve
By Pass Valve



Case Study:
Bioline Reagents
Ltd

150kVa Standby Set

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Questions

For more information visit
www.gencat.co.uk

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