

SUTBUSTA™

FEATURES

60cm Wide x 75cm Long
x 60cm High

Weight 40kg

40 engine hours cycles
between regeneration

4.5 hours charge time

220v – 240v, 9A, 2kW
power supply

Removes 95% of diesel
particulate

can be connected to any
diesel equipment up to
3ltr (90kW power)

Self cleaning system



Call us on:
0116 283 4749
or mobile:
0788 525 0969

Using small diesel powered equipment indoors, or in confined areas, results in operators or nearby workers being exposed to high levels of hazardous diesel exhaust particulate emissions. There is also the nuisance of noxious diesel odours and diesel soot contamination.

The most efficient way of reducing this problem is to install the diesel powered equipment with a diesel particulate filter (DPF).

Fitting a DPF to compact diesel powered equipment can be a challenge due to lack of suitable space. It may also present a high relative cost if the equipment doesn't operate in confined areas all the time.

For small equipment that is used in a stationary condition Cawdell have developed the SUTBUSTA™, a remote, re-usable, portable, particulate filter device that can be connected to any diesel equipment up to 3ltr (90kW power). There is also a version that can be mounted semi-permanently On-Board.

The SUTBUSTA™ collects 95% of the diesel particulate (soot) and has a self cleaning system. There is no need for replaceable elements or filters.

SUTBUSTA™ is a Silicon Carbide DPF combined with an oxidation catalyst. It will continuously remove 95% of diesel particulate (even from start-up) and when operating at optimum exhaust temperature will also reduce gaseous emissions of hydrocarbon and carbon monoxide by around 80%, therefore considerably reducing the noxious diesel exhaust odour and danger from CO poisoning.

The SUTBUSTA™ has an extremely rugged design and is built to withstand rough treatment. The standard product is designed to be sited near the exhaust outlet of the diesel equipment and is connected by a flexible hose and tailpipe connection adaptor. The SUTBUSTA™ can also be temporarily located on any piece of diesel equipment or machine that may require a limited amount of movement during its operation.

Typically, when fitted to a 1.5ltr (35kW power) engine the SUTBUSTA™ can operate for approximately 40 engine hours between electrical regenerations. The electrical regeneration process takes 4.5 hours and will completely remove all the particulate from the filter.

Regeneration is simply a matter of plugging the SUTBUSTA™ into a 240v 13A outlet and turning a switch. The unit will get hot during the regeneration process therefore positioning and immediate surroundings should be considered. A signal lamp will illuminate to indicate that the automated regeneration process is complete. The electrical power only needs to be connected when regenerating (eg: every 40 engine hours).



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The standard SUTBUSTA power requirement are 220v – 240v, 9A, 2kW.
An optional 110v system is available.

PLEASE NOTE:- The power connection is only required when regenerating (eg every 40hrs)

SUTBUSTA approximate dimensions are 60cm wide x 75cm long x 60cm high.
Weight = 40kg

Metal frame can be powder-coated in various colours by request.

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Always refer to UK Health & Safety Executive Guidelines regarding operating diesel engines in confined areas and other publications regarding safe exposure levels. A useful publication is HSG187 – “Control Of Diesel Engine Exhaust Emissions In The Workplace”.

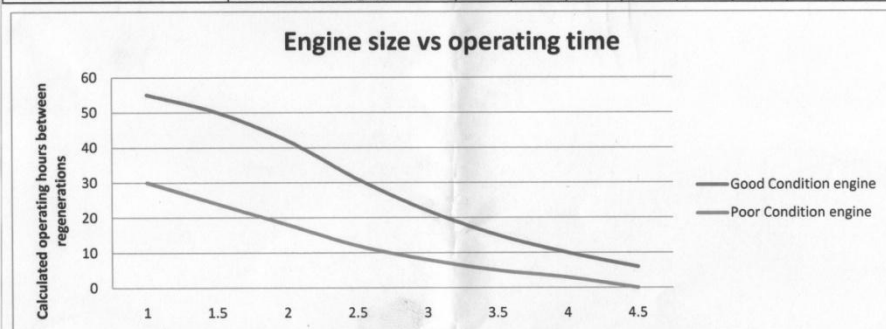
SUTBUSTA™ is a useful and effective “control measure” that will considerably reduce the risk of exposure to diesel emissions. It is good practice to combine with other control measures such as:-

- workplace air extraction fans;
- turning off engines when not required;
- keeping doors and windows open where practicable;
- installing air vents in the walls and ceiling;
- job rotation;

In addition to the control measured described above the person responsible for the work should also ensure that:-

- any engineering controls used are properly maintained and checked regularly;
- where necessary, operators exposure to diesel fumes is monitored (see HSG187 publication Control of diesel engine exhaust emissions in the workplace);
- operators and exposed personnel are provided with the necessary information on the risks of exposure to diesel fumes;
- operators and exposed personnel are provided with instruction and training on the safe use of the control measures and any personal protective equipment that you are using.

	Engine size (litres)	1	1.5	2	2.5	3	3.5	4	4.5
Calculated operating hours between regeneration	Good Condition engine	55	50	42	31	22	15	10	6
	Poor Condition engine	30	24	18	12	8	5	3	0



Note: THIS IS A CALCULATED GUIDE ONLY. Periods between regenerations will vary depending on rpm & load of engine during operation. Engine sizes above 3,5ltr may be effected by restricted exhaust flow due to bore of standard flexible pipe and