

Intelligent Exhaust Fume Extraction Arm System

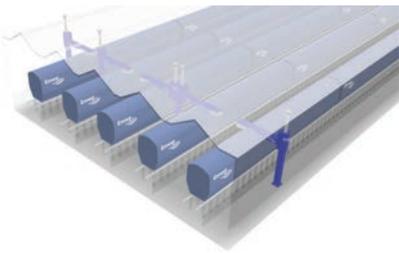
Introducing the Emeg e-fume[™]

The versatile and efficient clean depot ventilation solution to remove harmful diesel exhaust fumes from engines at the source, improve the working environment and safeguard the workforce from unnecessary inhalation.

Taking guidance from 'HSG258 (Third Edition) 2017: Controlling Airborne Contaminants at Work'; and 'HSG187 (Third Edition) 2012: Control of Diesel Engine Exhaust Emissions in the Workplace', Emeg have developed the specialist e-fume[™] fully adjustable local extract ventilation (LEV) system to improve depot air quality.



Systems can be positioned accordingly to suit the clients' needs and allow for universal coverage for all rolling stock in the depot, meaning that engines will not be limited on where they can be stabled and air quality will not be compromised.



Depot Protection: e-fume[™] systems can be fully integrated and interfaced with Emeg's safeNet[™] Depot Protection System ensuring a safe depot working environment is maintained.

depotCONNECT[®]



MAX TEMPERATURE



WORKFORCE SAFETY



HIGH EXTRACTION RATE



REDUCED ENERGY USAGE

Features & Benefits

- ✦ Protects staff and personal from the life threatening affects of diesel locomotive exhaust fumes.
- ✦ Removes harmful fumes at the source.
- ✦ HSG258 compliant.
- ✦ Extremely versatile - two axes of movement for maximum road coverage.
- ✦ Manufactured from low toxicity composite moulded GRP to BS EN 45545 HL3 standards.
- ✦ Lightweight GRP construction - suitable in OLE environments.
- ✦ Bespoke wall or column mounted solutions available - no structural dependency.
- ✦ Simple and efficient hand-held controller.
- ✦ Fast and effective operation.
- ✦ Efficient, low maintenance and compact design.

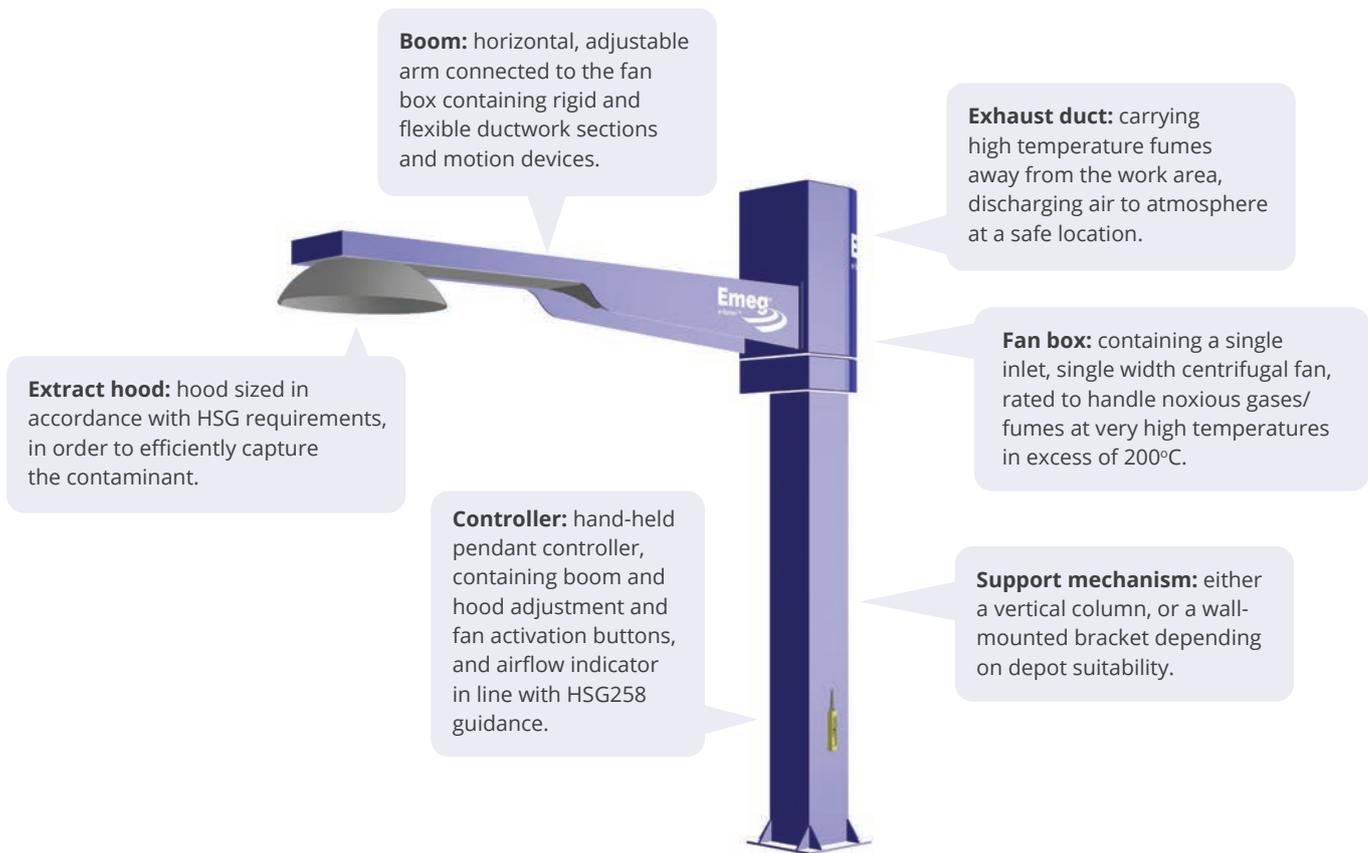
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Why e-fume[™]?

The purpose of a local exhaust ventilation (LEV) type system is to contain, capture and remove the target contaminant. In doing so, the contaminant will be drawn away from the operative zone. If the harmful particles are not removed at the source, they will dissipate into the surrounding air and settle in the depot environment.

e-fume's[™] bespoke, one-of-a-kind system removes diesel fumes at the engine exhaust locations before they can escape into the environment; therefore, improving the working environment and safeguarding the workforce from fume inhalation.

Air contamination due to diesel fumes within depots is a big industry problem. The World Health Organisation now classifies diesel engine exhaust emissions as a 'class one carcinogenic agent', which puts it in the same category as asbestos, mustard gas and tobacco for causing respiratory system-related cancer.



Swing

The fan box is rotated on a slewing ring and gearbox configuration through a possible range of 0-180°, sweeping the boom across the depot and into position, providing smooth movement and minimising vibration.

Slide

The extract hood is positioned laterally along the boom, powered by an efficient, integral belt-driven linear transmission and positioning system, providing optimum levels of accuracy, precision and speed.

UK Head Office:

3 Dunston Place, Dunston Road,
Whittington Moor, Chesterfield,
S41 8NL
T: +44 (0)1246 268678

Design Office:

5 Scholar Green Road,
Stretford, Manchester,
M32 0TR
T: +44 (0)161 8656208

Dubai Office:

Office 1905, Tameem House,
Barsha Heights, Al Thanyah First,
Dubai, UAE
T: +971 04 568 6798