

HSE

Health and Safety Engineering

EX-KLEAN EXHAUST FILTERS

For the construction and equipment hire industries

Protecting your work force and your legal obligations when using diesel powered plant & machinery in confined spaces.

Often only needed on a temporary basis, but at last, an economic and practical solution to the problem of diesel exhaust emissions!

We make it easy:

- *Three sizes to fit various applications*
- *Supplied as a fully assembled kit to ensure easy fitment*
- *Easy to replace elements*
- *Re-usable mounting kit to minimise costs*



METRO EQUIPMENT

MF160/200/225 EXHAUST FILTERS

TECHNICAL SPECIFICATION

The range of Metro Equipment **EX-KLEAN** MF160, MF200 and MF225 exhaust filters are specifically designed for use on diesel powered plant and construction equipment to effectively reduce smoke and particulate emissions when engines are being used indoors.

The filters are constructed to trap particulates as fine as 0.3 microns when first fitted and increasingly smaller particulates as the filter is 'conditioned' (i.e. in normal use the media becomes loaded with carbon, soot and particulates).

Filters will require replacement when the outside of the filter becomes visibly black, indicating that the filter media has become 'fully loaded'.

The media is a special 'glassneedlefelt' construction. It is mechanically (rather than organically) bonded and is manufactured in web form and then mechanically needled together to provide the require thickness. There are no binders used. Instead, the long textile fibres have been accurately chopped to provide maximum density and physical strength in temperatures up to 1200 degrees F/648 degrees C.

The media is non-corrosive, non-combustible, non-alkaline and chemically stable. It possesses excellent heat resistance, flexibility and low thermal conductivity.

Media density 135-160kg/M3
Loss in weight at 1200 F up to 2%

The media meets the following commercial and government specifications:

NRC 1.36 (Nuclear)
MIL - I 24244
MIL - I 16411 type II
USCG 164-009

All pertinent automotive specifications.

Dimensions: (Filter element only)

	Length	Internal diameter	External diameter	Weight
MF160	300mm	90mm	140mm	1kg
MF200	334mm	133mm	244mm	3kg
MF225	665mm	133mm	244mm	5kg

METRO EQUIPMENT

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