

# METRO EQUIPMENT

## HIGH TEMPERATURE EXHAUST FILTERS

for the equipment hire industry.

Three sizes of high temperature exhaust filter to fit virtually all diesel engine applications, providing a fast, simple and effective solution to operating within enclosed environments and meeting Health & Safety Regulations.

### 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



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# METRO EQUIPMENT MF 160—200—225 EXHAUST FILTERS

## TECHNICAL SPECIFICATION

The range of Metro Equipment 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 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 - 1 24244  
MIL - 1 16411 type II  
USCG 164-009  
All pertinent automotive specifications.

### Dimensions: (Filter element only)

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

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