A non-regenerative DPF collects up to 85% of the PM in the exhaust stream by means of physical filtration and operates from start-up. The filter element itself is constructed from steel and fibreglass matting, housed in a steel canister. The filter element has a finite capacity and when full must be removed, discarded and replaced with a new one. Failure to do so will cause the filter to block, which in turn can cause damage to the engine due to increased backpressure.

The filter element needs to be changed every 300-350 hours or at a 3 month service intervals. For this application, based on the estimated contract length of 6 months, one replacement element will be required.

An optional warning system can be installed to alert the operator when the backpressure increases.

The filter can be mounted to the equipment body and connected to the existing exhaust outlet via flexible hose. There is a heat shield attached as standard to protect from burns.

Once the contract has been fulfilled the DPF can be removed from the equipment. The filter can be reused for future applications on any other diesel equipment of a similar power rating.

Overall costs for complete system:

- UGET 3 D40 DPF: £820.00
- Replacement filter element: £165.00
- Stainless steel flexible hose & clamps: £40.00
- Total ex. VAT and Delivery: £1025.00

For more detailed information regarding non-regenerative diesel particulate filters visit www.gencat.co.uk/dpf

**Catalytic Converters**

Catalytic converters are separate systems that reduce carbon monoxide (CO), unburned hydrocarbons (HC) and aldehydes. These exhaust emissions are responsible for irritation to the eyes and respiratory system, they also cause nausea and tiredness. As operators and workforces in enclosed spaces are particularly affected, it is worth considering a catalytic converter for this application. For further information visit www.gencat.co.uk/catalysts