

Prior to any DPX filter installation, engine & vehicle specifications and data logging of temperature is required. In order to ensure that the temperature profile fulfils requirements of continuous regeneration. The average temperature must be minimum 220°C but the whole temperature profile over the vehicle's duty cycle must be analysed. Data analysis to be conducted according to the Dinex Standard Calculation procedure.

If the temperature peaks at higher temperatures, frequent and at regular intervals, it is possible to operate with a lower average temperature. If the temperature never peaks above 300°C, the application is unsuitable for this type of filter. Long idling periods must be avoided in all cases.

Specific temperature requirements for Euro2 or equivalent and newer engines:

Minimum Temperature Requirements:

- Peak: 400\_C or above
- Average: 220\_C or above
- Time above 250\_C: 30%
- Time above 300\_C: 15%
- Time above 350\_C: 5%

Minimum Temperature Requirements for Euro1 or equivalent and older engines:

- Peak: 400\_C or above
- Average: 240\_C or above
- Time above 250\_C: 40%
- Time above 300\_C: 20%
- Time above 350\_C: 10%

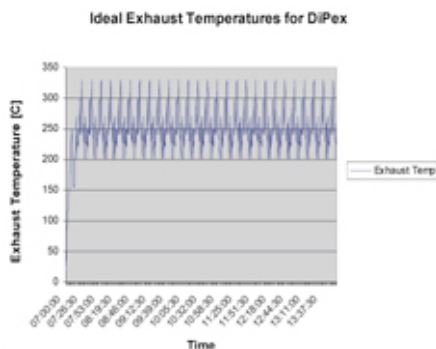


Fig.1 Temp. profile suitable for DiPex/DPX technology

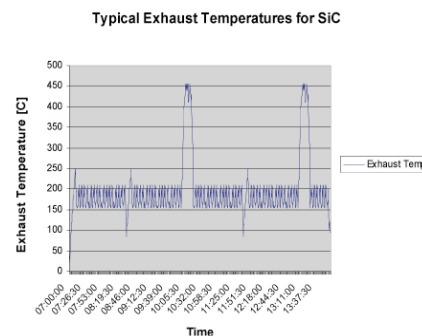


Fig.2 Temp. profile NOT suitable for DiPex/DPX

Temperature profiles must be analysed on an individual basis. Valid information about how this can be achieved by a data logging on the specific application. Please refer to relevant Dinex Data Sheet.

Older engines and /or lower temperature profiles DPX solution with pre-filter or a Silicon carbide filter substrate in conjunction with a Fuel Borne catalyst (FBC). Please refer to appropriate Data Sheet concerning DiSiC technology.

Please also refer to the general operational requirements before fitting diesel particulate filters.