



Flamefast (UK) Ltd

**OPERATION & MAINTENANCE
MANUAL**

Bimeda Telsol Ltd
23-24 Colomendy Ind Est
Llwn Goch
Denbigh
LL16 5TA
Selenite Extraction System
Rear of Kiln



1 Heaton Court
Risley Road
Birchwood
Warrington
WA3 6QU

T 01925 281230

F 01925 852785

W www.flamefast.co.uk

E sales@flamefast.co.uk



BRIEF SYSTEM DESCRIPTION

The system briefly comprises of 1 x centralized extraction fan, located outside the building, drawing fumes away from the afterburner and rear of the kiln area to remove any stray fumes that may be leaking from the kiln enclosure. The internal canopy is ducted to the extraction fan with a HEPA filter between.

Only clean air is ejected from the extraction fan.

Commissioning results as provided on the enclosed COSHH LEV record file, were obtained with the filter running on test, under normal operating circumstances at 100% duty.



OPERATION

EXTRACTION FAN – Fan Engineering No 420 BL100 direct drive 5.5 kw

The filter unit has been sited outside the workshop on the external wall.
Periodically check filter condition, by opening the access door on the filter housing.

AFTER INSTALLATION ALWAYS ENSURE THAT THE FAN IS ROTATING IN THE CORRECT DIRECTION AS MARKED ON THE FAN CASING, DO NOT ASSUME THAT THE ROTATION IS CORRECT BECAUSE SUCTION IS EXPERIENCED.

OPERATING INSTRUCTIONS

1. Always switch on the Extraction fan/Filter unit before use of the process or fume producing application.(You have interlocked the system with the kiln operation so all is good here).
2. Always prevent excess debris from entering the system. The pre filters and HEPA will blind prematurely if the system is used as a vacuum cleaning system.....
3. Where possible, leave the extraction system running continually. This will ensure that the system is ready for use and will prevent the build-up of any fume around the process.
4. Make frequent checks on the filter condition .

NEVER CARRY OUT WORK IN THE AREA, WHICH PRODUCES FUME WITHOUT THE EXTRACTION FAN SWITCHED ON AND OPERATING.



MAINTENANCE

Flamefast (UK) Ltd Fume Extraction Systems are designed to require the minimum of maintenance requirements, however, please note the following points: -

The extraction fan has no belts, grease points etc and the unit is generally maintenance free, just periodically check for unusual noises vibrations which could be a sign of potential motor bearing failure.

1. Fixings/mechanical integrity should be checked and examined on a regular planned maintenance basis.- monthly
2. The filter unit filters should be inspected regularly to ensure optimum performance in the removal of any debris/deposits - monthly.
3. Ensure strip curtain fittings are secure and are not contacting the surface of the kiln/afterburner.- monthly

Fume extraction systems are subject to COSHH regulations Flamefast (UK) Ltd Extraction Solutions Division can offer COSHH Testing/Service Contracts to meet these requirements.

SPARES

It is not generally necessary to hold any spares for this type of Fume Extraction System. All contract details are kept for a minimum of 15 years. Quoting Contract FFDT270318-1 will enable a quick response to any spares requirements.



Log Book - Regular Checks & Maintenance

[illegible]