Lytzen Flame Proof drying & heat treatment oven

Stock No	OF2648
Manufacturer	Lytzen
Model	Type H1-1400
Year of Manufacture	2003
Serial	A20031132
Condition	From a working environment, Good Condition
Internal Size (WxDxH mm)	1100 x 1000 x 1400mm
Max Temp	300°C
Other Info	Fully Constructed in 316 Stainless Steel
Location	Arriving in our warehouse soon
External Dimensions (WxDxH mm)	2050 x 1350 x 2250mm

Description

This oven has a designed maximum operating temperature of 150°C for use with flammable gases, but is fully capable of operating at temperatures of up to 300°C for non flame proof applications.

- The 30kW heating element is located in the upper cavity of the dryer with an inbuilt surface temperature measurement devise to avoid the elements ever achieving the flash point of the flammable gases being used or created during the drying process.
- The comprehensive controls includes Eurotherm instrumentation and process data logging. The multi channel

chart recorder, records both the temperature and the gas concentration levels during the process.

- As a secondary safety device compressed air can be injected into the chamber if the monitored level exceeds the critical set point.
- All the electrical control and switching devices in the main control panel are supplied as intrinsically safe allowing the oven to also be used in a potentially flammable work environment.
- Considering the very high quality of build and component specification it is of no surprise that these ovens were originally supplied in excess of £90,000.00 each.

Temperature controller

- The programmable (by user) temperature controller is controlling the wanted heat treatment temperature and the drying sequence in the dryer. 3.06

Safety thermostat

- This hard-wired, capillary type safety thermostat is located on top of the oven. When excessive oven temperature is sensed, the heating element is cut out until the temperature has dropped below alarm limit again.

Air lack Device

- On top of the dryer a pressostat, in these terms called "air lack device", is mounted in order to detect sufficient air flow in the dryer exhaust duct. If air flow in the dryer exhaust duct is not detected by the air lack device the heat supply is shut down, thus preventing further heat-up.

Exhaust Fan

- This system is not provided with an integrated exhaust fan. A central plant exhaust ventilation system, provided by others, is connected to oven outlet flange

Recorder

- For recording the temperature-and concentration situation in the oven chamber a recorder has been fitted in the control board panel. Regarding channel descriptions and setup, please see "Factory tests/Set values on delivery". For detailed operation instructions of the recorder, please see separate recorder manual.

Pre-drying

- The pre-drying time is set in the Programmable Temperature Controller. In the pre-drying phase only the unit circulator should be running.

Drying

- The drying time is set in the Programmable Temperature Controller. In the Drying phase, the circulator, exhaust fan (if applicable) as well as heating element should all be cut-in.

Heat Treatment

- The heat treatment time is set in the Programmable Temperature Controller. In the Heat Treatment phase only the circulator and heating element should be cut-in. Exhaust should be cut-out.

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.