

# FURNACES & OVENS

*(Electric, Gas or Oil fired)*

## LOW TEMPERATURE OVENS



Mannings silicone rubber curing ovens are electrically heated and fully automatic. An integral forced air recirculation system ensures that the working temperature of 250°C is kept within a tolerance of within the curing chamber, regulated by rear mounted thermostatically controlled high speed fan.

A pre-heating recuperative exhaust stack maximises energy conservation and contributes to low operating costs.

In common with Mannings "operator safety" design policy, the ovens can be fitted with manual or self activating pressurised CO<sub>2</sub> fire extinguishing systems, serving both the oven interior and the ductwork; the systems being designed to the standards required by BS.5306 Part 4.

A further safety feature is the explosion panel built into the oven roof.

## MANNINGS *furnace 'Self-Build' plan*

Interest in Mannings furnace 'Self-Build' Plan is steadily widening as more companies in more countries are appreciating the financial and practical advantages of purchasing design information, assembly and installation drawings from Mannings, together with all the necessary specialised instrumentation and components to carry out construction with labour and raw materials for structure, pipework, electrical wiring etc., thereby cutting cost to an absolute minimum.

Where only unskilled labour is available Mannings will provide the necessary skilled labour and supervision; commission the furnace and train local personnel.

*alternatively.....*

Installations completed by the client which satisfy Mannings final inspection prior to commissioning will qualify for the full Mannings furnace warranty.

Mannings furnace refurbishing service could be a cost effective method of solving an immediate problem, whether it be by replacing obsolete instrumentation, relining old brick furnaces with lightweight low thermal mass insulation or discarding an existing fuel source and introducing an entirely new system.

## *Specialised Combustion Systems*

Mannings research and development engineers are constantly appraising combustion engineering enquiries that need additional design and development, or require a completely new approach; therefore only a small number of the more 'standard' furnaces and ovens have been selected to be included in this brochure.

Mannings R. & D. centre is of necessity all embracing and work is undertaken on electric

resistance heating elements, control systems and gas and oil burners that may be required for special order. Any industrial process heating problem which cannot be satisfied by using standard equipment is studied by the centre.

Mannings expertise obtained from thirty years experience in the industrial heating industry can and will, solve your heating problems, large or small - quickly.