

Operating & Maintenance Instructions

400FD Fan Circulated Oven

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1. Introduction

Your new Oven is designed for the heating of products up to a maximum of 400°C. This makes it ideal for pre-drying of plastic materials, pre-heating of materials for thermoforming, along with heating of metal items for plastic dip coating.

The Oven is heated by two side mounted inconel sheathed elements, each located around an air circulation fan. Fan guard prevent the user from touching the moving parts.

The Oven is temperature controlled by a digital controller. This should ensure that, regardless of the loading of the oven, temperature should be maintained at a constant (typically + 2°C) level.

Two shelves in the oven allow the user to support items for heating.



2. Health & Safety Information

Hazardous materials with a low flash point such as resins, paints, petroleum based adhesives, low temperature alloys producing toxic fumes etc. should not be put in the oven under any circumstances.

Materials should never be heated above their melting / ignition temperature.

If in doubt regarding a particular material please consult the material manufacturers or suppliers before heating in this Oven.

NO ASBESTOS HAS BEEN USED IN THE MANUFACTURE OF THIS OVEN.

3. Unpacking & Assembly

Your 400FD will arrive complete and ready to operate.

Unpack the unit carefully and check for signs of transit damage. Any damages must be reported to the Manufacturer or distributor within three days of receipt.

The oven is heavy (124kg) and care must be taken when lifting and moving the unit.

Position the unit on a suitable work surface, ensuring that there is a minimum 100mm(4") air gap all around the oven.

4. Electrical Supply & Connection

The electrical specification of your new machine is as follows:-

Voltage	230V AC 50-60Hz
Current (max)	18.7 A
Watts (max)	4300W

Electrical supply to the machine must be in accordance with the details shown on the rating label. The current requirements of this unit exceed those of a standard electrical supply. It is therefore recommended that this machine is connected to a dedicated switched fused supply, with a minimum 20A capacity. As the colours of the wires in this mains lead may not correspond with the coloured markings identified in your plug appliance, proceed as follows:-

The wire which is coloured green and yellow must be connected to the terminal which is marked with the letter E or by the earth symbol or coloured green and yellow or green.

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured blue or black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured brown or red.

!!!IMPORTANT!!!

Should there be any queries regarding the electrical requirements of the 400FD please refer back to the manufacturer or their nominated distributor.

5. Machine Operation

The main isolator switch is mounted on the rear of the machine. All other machine controls are located on the front control panel as shown in Diagram 2 below.

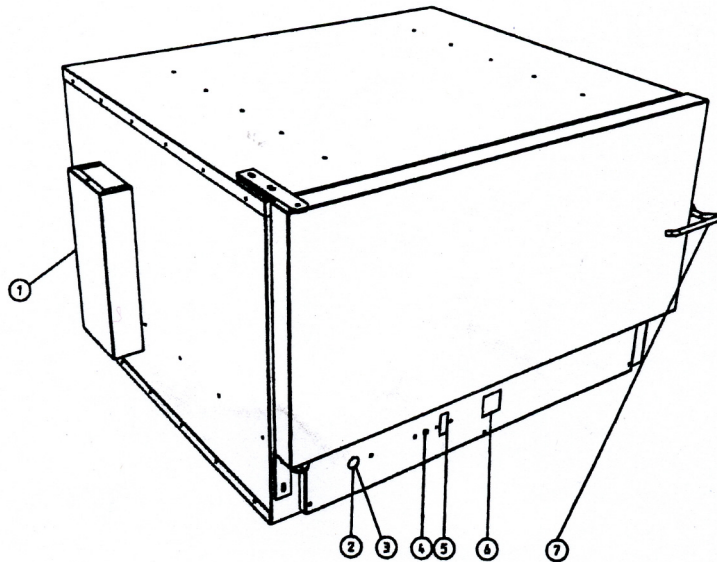


Diagram 2. Machine Controls

1.	Mains Isolator Switch	Isolates Mains Power - Lockable if required
2.	Mains On Indicator	Illuminates when Oven is switched on
3.	Mains On-Off Switch	Press I button to switch On Press O button to switch Off
4.	Circuit Breaker	Protects the Fan/control circuits
5.	Circuit Breaker	Protects the Heater circuit
6.	Digital Temperature Controller	Press * and ▲ to increase set temperature Press * and ▼ to decrease set temperature Set temperature shows on lower display Current temperature shows on upper display
7.	Door Handle	Push down to Open Pull up to Lock

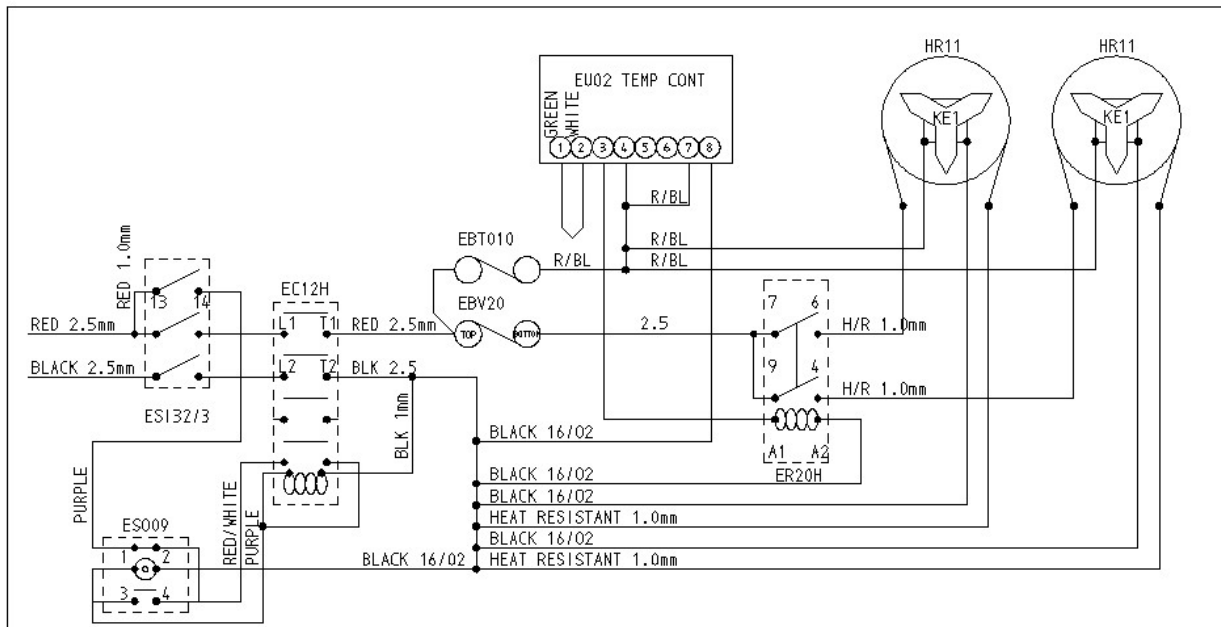
6. Maintenance


Your 400FD Oven should give you many years of trouble-free service. There is no regular maintenance required, other than to ensure that the Oven is clean and dry, and that the door seal is sealing correctly. Should the door seal compress in use, there is adjustment on both the hinges and the door handle to accommodate this. In the event of any problems or queries with your 400FD Oven, please contact your nominated distributor. Should this not be possible, please refer back to the manufacturer:

CR Clarke & Co (UK) Limited
 Unit 3 Betws Industrial Park
 Foundry Road
 Ammanford
 Carmar
 SA18 2LS

Tel 0(+44) 1269 590530
 Email: info@crclarke.co.uk

7. Connection Diagram



 C.R. Clarke & Co (U.K.) Ltd, Unit 3, Betws Ind Park, Foundry Rd, Ammanford, Carmarthenshire, SA18 2LS Tel (01269)592329/593860 Fax (01269)591890							Special Instructions		
Date	Modification	Issue No	Issued By	Date	Modification	Issue No	Issued By	Language	ENGLISH
								Drawn	MTC
								Checked	
								Date	11/06/2001 14:14:45
								Description	CONNECTION DIAGRAM
								Voltage	220-230 Hz
									50-60
								Issue No	001
								Machine No	400W