

# OSBORNE REFRIGERATORS LTD



## INSTALLATION AND USER MANUAL MODEL OD450 / OD600

### INTRODUCTION

This refrigerated cabinet is designed to store wine, beer and food conveniently and efficiently. With a little care, as described in this manual, it should give a long and trouble free life.

### UNPACKING

Check the cabinet for obvious signs of damage while unwrapping, and contact your supplier if you are concerned about its condition. If the cabinet has been stored horizontally in transit, allow it to stand upright for an hour before plugging power cord into supply.

### LOCATION

Do not site the cabinet near a source of heat, such as a boiler or radiator, or in direct sunlight. This will conserve energy and reduce running costs. Do not site the cabinet in a draught or near an air handling unit (eg airconditioning) as this can disrupt the flow of cold air inside the cabinet. Do not place the cabinet on uneven or thick carpeted floors - only a flat solid surface ensures unrestricted air flow around the refrigeration system. Install the cabinet on a level surface - an uneven surface can increase vibration. The cabinet should be vertical or leaning fractionally backwards - it **must not** lean forward.

## **ELECTRICAL CONNECTION**

The cabinet is complete with a factory-fitted fused plug suitable for a 13amp socket outlet. This appliance **must** be earthed.

## **RECOMMENDED OPERATION**

Once the unit is stocked and in use, leave the cabinet to run continuously.

## **THERMOSTAT SETTING**

The cabinet is thermostatically controlled and has been preset at the factory. No adjustment is needed.

## **SHELF CLIPS**

Please ensure that the shelf clips are installed the correct way up (see page 3). They will not support a loaded shelf if they are the wrong way up and damage will be done to the cabinet.

## **ROUTINE MAINTENANCE & CLEANING**

This cabinet has been designed so that most maintenance can be carried out by the owner. Switch off at the mains before attempting maintenance. The light tube and starter are easily accessible (see over for details) and the light switch is found on the bottom panel next to the condenser.

## **CLEANING THE CONDENSER FILTER**

A clean condenser will give more efficient running and longer cabinet life. Cleaning the filter requires no specialist knowledge or equipment and should be carried out regularly. Simply slide the filter sideways out of the cabinet and use a brush or vacuum cleaner to remove dust and fluff.

**Important - If the condenser becomes blocked it will seriously effect the cooling performance of the cabinet. Prolonged blockage can lead to overheating and failure of the refrigeration system. Failure of this nature is NOT covered by the warranty. ALWAYS KEEP THE CONDENSER CLEAN**

## **GENERAL CLEANING**

Before use, and periodically thereafter, clean the inside of the cabinet with a soft cloth and a solution of one teaspoon of Bicarbonate of Soda (Sodium Bicarbonate), to one litre (1¾ pints) of warm water. Rinse with clean water and dry thoroughly. Clean the outside of the cabinet as necessary with mild detergent and warm water. Rinse with clean water and dry thoroughly. **Do not** use abrasives of any kind on the cabinet.

## **CHANGING THE FLUORESCENT LAMP AND STARTER**

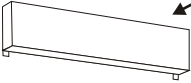
The flourescent lamps used are Cool White and are available from most electrical factors. Remove the perspex light cover (or unscrew and remove top panel). Ease the lamp from its spring clips and remove end caps from the lamp. To replace, reverse the process, ensuring that the back of the perspex cover fits within the housing.

Remove Top Light Box for access to top light tube and electronic ballast

Top Light Tube

Electronic Ballast

Top Light Box



Serial Number Plate

Light Tube

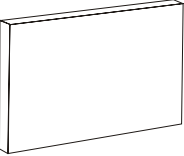
Light Cover

Remove bottom Shelf and Base Plate for access to Internal Fan Assembly

Shelf

Base Plate

Internal Fan Assembly



Front Panel



Airfilter

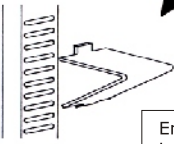
Front Grill

(slides out sideways for cleaning)

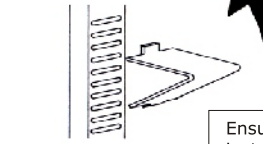
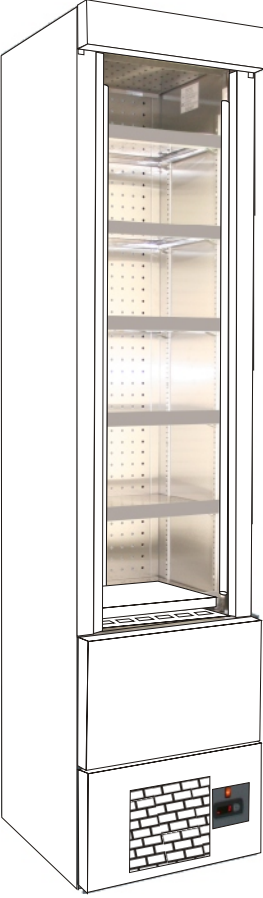
Remove Rear Panel for access to Drain Heaters and Complete Refrigeration System

Remove Front Grill for access to Airfilter, Light Switch and Electronic Temperature Controller

Remove Front Panel for access to Electronic Ballast for main light tubes



Ensure shelf clips are installed the correct way up (tag upward)



PART NUMBER	DESCRIPTION
SP1001	FRONT GRILLE
SP1002	CONDENSER AIRFILTER
SP1003	ELECTRONIC CONTROLLER
SP1004	CONTROLLER SENSORS
SP1005	LIGHT SWITCH
SP1006	COMPLETE REFRIGERATION SYSTEM
SP1007	INTERIOR FAN ASSEMBLY
SP1008	DRAIN HEATERS
SP1009	ELECTRONIC BALLAST HF228 (SIDE TUBES)
SP1010	LIGHT TUBE 4 FT F28W 840 T5 COOLWHITE (SIDE)
SP1011	LIGHT TUBE END CAPS
SP1012	LIGHT COVER (SIDE TUBES)
SP1013	ELECTRONIC BALLAST BC116 TOP LIGHT
SP1014	LIGHT TUBE 12" F8W 33 T5 COOLWHITE (TOP)
SP1011	LIGHT TUBE END CAPS
SP1015	TOP HONEYCOMB VENT
SP1016	FILASTER STRIPS
SP1017	SHELF CLIP
SP1018	SHELF

When ordering spare parts, please quote the cabinet serial number and the part numbers required

## **BASIC FAULT FINDING**

- Loss of cooling - Check power supply
- Check product is properly positioned on shelves and not air circulation
  - Check cabinet is properly position
  - Check condenser unobstructed and the filter is clean

Loss of lamp - Check flourescent tube / starter

### **The guarantee shall not cover any fault or defect caused by:**

- Parts not assembled in accordance with the instructions of the manufacturer
- Careless operating, handling and misuse and/or lack of maintenance
- External sources e.g. weather or transit damage (except if reported at time of delivery)
- Repairs or alterations carried out by unauthorised parties or agents
- Normal wear and tear eg light tubes or any damage caused by harsh cleaning materials
- Damage caused by the use of parts and accessories other than those produced or recommended by the manufacturer

*The fitting of replacement parts will not extend the period of guarantee.*

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