



# CFR Hinged Curb Base Unit 100, 120, 140, 160, 180 & 200

Installation, Operation and Maintenance Manual

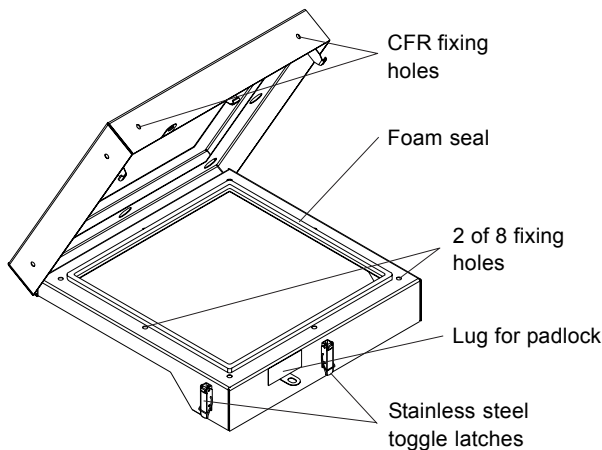


Fig. 1  
Hinged curb base for CFR units

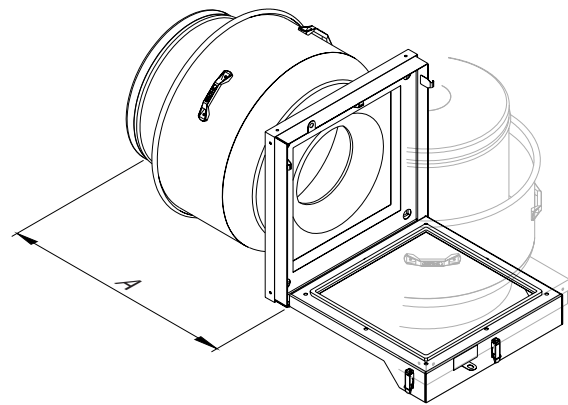


Fig. 2  
Minimum space required for fully opened 100, 120, 140, 160, 180 & 200 CFR units. For all unit dimensions see VES Ref. ID 469

Unit	A (mm)	Weight (kg)
100	760	34
120		35
140	795	40
160		45
180	770	68
200		76

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## IMPORTANT !

Only experienced fitters should undertake this work. Take necessary safety precautions when working in elevated positions

## 1 Introduction

The Centrifume is a range of extract units designed to meet the arduous conditions found in restaurant kitchen hood extract systems - hot air with high grease content. The hinged curb base allows the unit to be easily moved to gain access to ductwork and unit for cleaning.

## 2 Installation

The entire system must be considered for safety purposes and it is the responsibility of the installer to ensure that all of the equipment is installed in compliance with the manufacturer's recommendations, with due regard to the current HEALTH AND SAFETY AT WORK ACT and conforms to all relevant statutory regulations.

Where a unit is installed so that a failure of components could result in injury to personnel, precautions should be taken to prevent such an injury.

Immediately upon receipt of goods, check for possible damage in transit paying particular attention to the hinge, rubber seal and AHU.

In the event of any damage having occurred or if any item found to be missing, it is essential to inform VES Andover Ltd. within **3 working days** of delivery quoting sales order number and the unit type as found on the unit nameplate. After this period we will be unable to accept any claim for damaged or missing goods

## IMPORTANT !

When installing the unit it is critical that the unit is orientated correctly, ensuring that the opened unit has adequate clearance see fig. 2

Place the hinged curb base onto the upstand ensuring it is centered, undo the catches and open the curb base. Mark and drill the upstand to suit the pre-punched fixing holes (see fig. 1). Fix the curb base into position (fixings to be supplied by others). Shut the curb base and secure all the catches. Place the CFR unit onto the curb base ensuring the drain outlet is adjacent to the hinge on the base see fig.3. Fix the CFR to the curb base via the pre-punched holes (CFR base) and M6 nutserts (curb base), with 8no. M6 setscrews, washers and spring washers (fixings supplied by others). For additional security a lug for a padlock has been included to be used as required.

Consideration must also be given by the installer for adequate illumination of the unit location in order for safe maintenance. Care should also be taken whilst cleaning the unit in the event that wind or air movement should cause the impeller to freewheel.

## 3 Wiring

All electrical connections to any unit must be carried out in accordance with the current edition of the I.E.E REGULATIONS and only competent electricians should be allowed to affect any electrical work to our units.

## IMPORTANT !

Do not connect any unit to an electrical supply voltage outside of that indicated on the motor nameplate

A local isolator is fitted as standard and mains cables should be suitably sized and terminated, see the appropriate Centrifume detail for confirmation. The pre-wired isolator is fitted to the aluminium cowl directly above either corner nearest to the hinged side of the curb base.



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## 3 Wiring Continued

This should ensure the isolator is not damaged when the unit is opened for repairs and maintenance, and enables a smooth cable route. When connecting the supply to the isolator, attention should be given to the cable length and route, as a certain amount of slack is required in order to facilitate the opening of the unit for maintenance. It may be required to terminate heavier 'armoured' cables short of the unit and make the final connection via a flexible conduit. In order to assist this connection ensure that the supply cable is sited adjacent to the hinged part of the curb base and the unit is assessed in both the open and closed position when determining the length required.

### IMPORTANT !

When closing the unit after conducting maintenance or repair work, care should be taken to ensure the supply cable is free of the hinged curb base and not trapped between the moving parts.

For electrical details and wiring diagrams see VES Ref. ID 469.

## 4 Maintenance

### IMPORTANT !

Before attempting to carry out any maintenance work, investigative or repair work on our units, the unit **MUST BE COMPLETELY ISOLATED** from its electrical supply. Ensure a minimum of two minutes after electrical disconnection before removing access panels. This will allow any moving parts to come to a rest

### IMPORTANT !

Before attempting to carry out any work on our units all accompanying documentation, including warning labels on the unit, must be referenced

### IMPORTANT !

When opening the unit always use the handles to ensure the unit is handled / lowered in a controlled manner to avoid damage to the CFR unit or injury to personnel. Ensure that when open, the unit is so positioned so as not to close unintentionally

Where the unit is installed on an oversized (high) upstand, care must be taken to prevent the unit opening to far and fouling the drain on the upstand. To prevent damage to the drain the unit must not be opened further than 10° past the horizontal, an adequate prop must be used to prevent this happening. When opening the unit do not in any circumstances use the breather tube for lifting as damage to the unit may occur.

### Recommended checks

To maintain the hinged curb base, open the unit and carefully rest the CFR on its side and check the following:

- The foam seal between the two hinged sections of the curb base. If worn or damaged, the foam should be replaced.
- The hinge is operating smoothly, lubricate if required.
- Check all fixings and the stability of the structure.

### WARNING !

Under no circumstances should the unit be left unattended when open. It is critical that after any maintenance work has been carried out that all components removed/replaced be refitted correctly by a competent engineer. When closing the base pay particular attention to closing / securing the latches correctly.

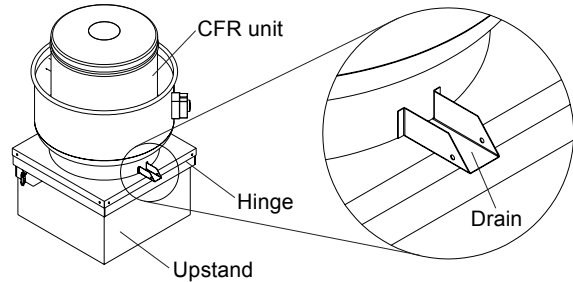


Fig. 3

The drain is located on the hinged side of the unit, the unit can be opened and tilted to drain grease if required.

## 5 CFR Unit Information

For the following information on CFR units see VES Ref. ID 469:

- Datasheets - 1ph & 3ph single speed
- Wiring diagrams
- Installation instructions
- Start-up
- Safety
- Maintenance

When enquiring after or ordering spares contact VES Customer Services Department, quoting the sales order (SO) number and unit type as found on the unit nameplate.

<b>Telephone</b>	<b>08702 40 43 40</b>
<b>Fax</b>	<b>08702 40 45 50</b>



**PLEASE ENSURE THAT THIS DOCUMENT IS PASSED ON TO THE END USER.**

We reserve the right to alter the specification without notice



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## ***Declaration of Conformity***

Date: 1st of August 2005  
Product: Hinged curb base for 100-200 CFR  
Type: CFRHB  
Manufacturer: VES Andover Limited

The product above is produced in accordance with EC Council Directives:  
98/37/EC (Machinery Directive)

The European Harmonised Standards applied are:

BS EN ISO 12100, EN 294, EN61000, EN 60204-1

The National Standards applied in particular are :

BS 848 Part 1

Basis of Self attestation:

Quality Assurance to ISO 9001-2000, BSI Reg. Firm Cert. No. Q5375

Signature of Manufacturer:

A handwritten signature in black ink, appearing to read 'C. Mit'.

Position of Signatory:

Technical Director