

## Hints and Tips

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If you wish to provide maximum protection to the unit during use it is recommended to change the ceramic core filter in the unit at service intervals. Using the hoses provided with integral shut off valves will enable the unit to be disconnected from the cylinder without venting the contents of the hose to atmosphere.

An HP trip indicates a fault in operation and requires operator intervention to reset.

## Safety Notes

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Every effort has been made to make the unit as easy and safe to operate as possible but operators should always follow these safety precautions.

- Always wear appropriate eye protection, clothing and gloves when handling refrigerant.
- Only a trained operator should handle refrigerants, it is very important that you understand thoroughly the expansion & compression properties of the refrigerant.
- Never overfill a cylinder. Fill only to 70% of the volume with liquid to leave room for expansion.
- Do not use disposable refrigerant cylinders. This is very dangerous and could result in serious injury if the cylinder ruptures.
- Make sure that the plant is switched off before attempting to recover refrigerant.
- Do not leave the unit unattended whilst recovery is in progress.

NB: Improper use of this equipment will invalidate the warranty

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# *CAREMASTER* *Professional Oil-Less Type* *B Refrigerant Recovery* *Unit* Instruction Manual

## Introduction

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The CAREMASTER Professional Oil-Less Type B Refrigerant Recovery Units are designed as compact, robust easy to use service tools specifically for R245fa applications. The units will remove refrigerant in liquid or vapour state direct to a suitable recovery cylinder. The changeover valve on the front of the unit enables reverse direction of flow without disconnection of hoses.



## Refrigerant Recovery - Pass Through Method

This method of recovery uses the unit to pull the refrigerant from the plant and discharge it direct to a suitable recovery cylinder. This method is best suited to applications where up to 10kg of refrigerant is to be recovered

- Use a manifold gauge set to connect to both high and low sides of the plant. If possible connect to the plant on the high side at a point where the refrigerant will be in liquid form. Connect the centre hose to the unit inlet.
- Connect the discharge of the unit to a suitable recovery cylinder. Ensure that the recovery cylinder has sufficient free volume to accept the refrigerant you are going to recover.
- Open the valves at the plant and cylinder.
- Set the selector valve to the correct direction.
- Switch the Unit ON.

The unit will start to recover refrigerant. You may hear the *CAREMASTER* pulse as it takes some refrigerant onboard. When the liquid refrigerant has been recovered the pulsation will stop and the pressure on the unit gauge will begin to fall. When the pressure reaches 0 Bar the unit compressor will automatically stop.

- Switch the unit OFF
- Close all valves and disconnect hoses.

## Application Schematic Diagram

