



# HR100 & HR200 Mk2 SUPPLY & EXTRACT VENTILATION SYSTEMS WITH HEAT RECOVERY USER INSTRUCTIONS

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## 1. GENERAL INFORMATION

- 1.1 Warm, humid, stale indoor air is drawn across the heat recovery unit before being discharged to the outside. Cool incoming fresh air is heated by being drawn through the heat recovery unit before being distributed to the various rooms via ducting. Both fans are controlled by a speed controller which varies the rates of extraction of stale air, and the supply of fresh air. A Summer Vent facility (if fitted) provides for the extract of stale air without the provision of tempered fresh air being drawn in by the unit.
- 1.2 Care must be taken to ensure that flue gases from fuel burning equipment are not drawn into living areas. If any room where air is extracted contains a fuel burning appliance such as a central heating boiler, then:
  - 1.2.1 Its flue must be of the room sealed or balanced flue type, or
  - 1.2.2 Allowance must be made for an adequate supply of air to the room.

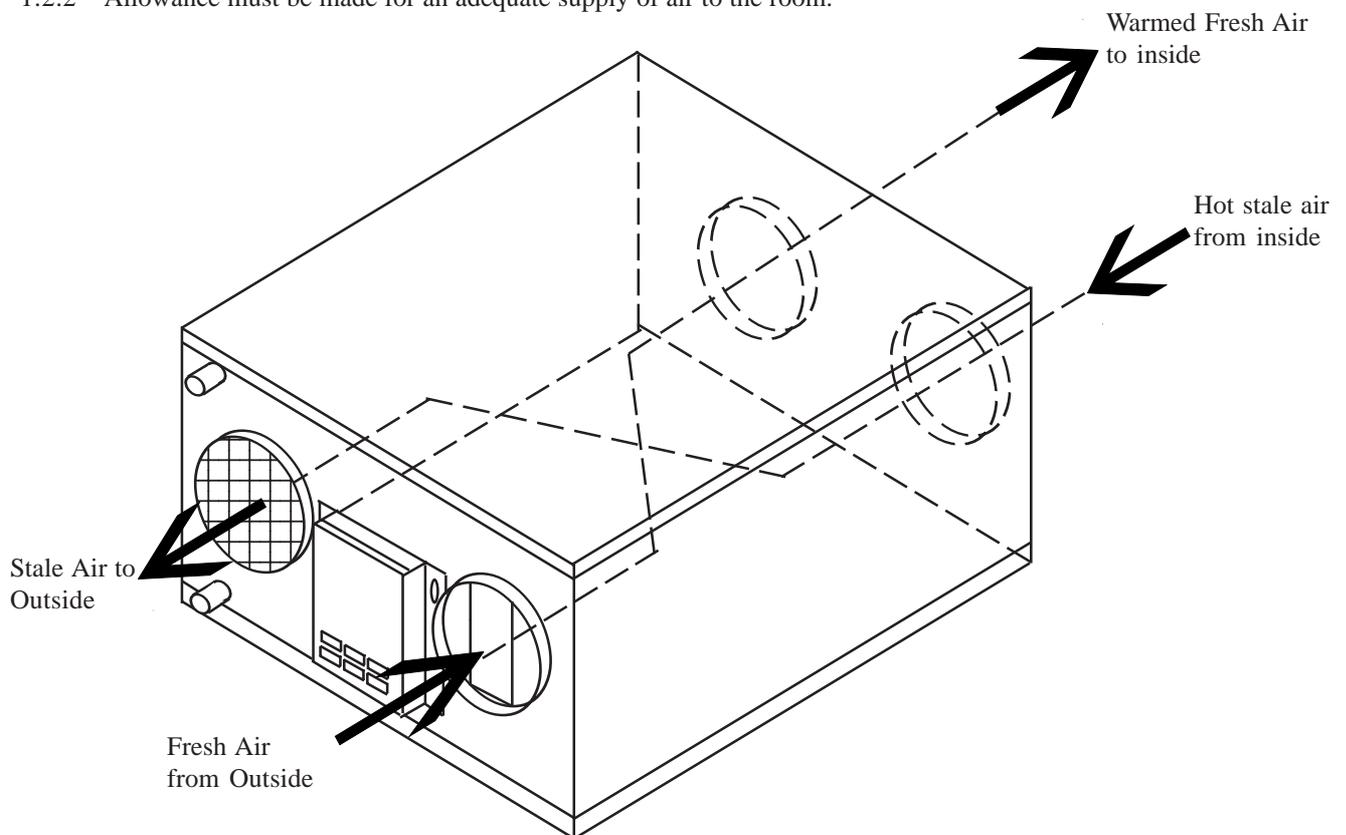
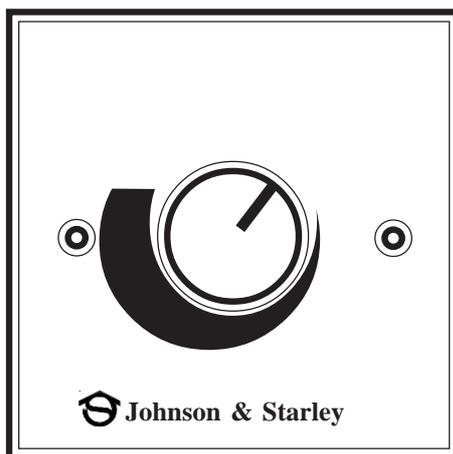


Fig. 1  
HR100/HR200 Mk2 Heat Recovery Units

## 2. OPERATION

- 2.1 The heat recovery unit will operate whenever the electrical supply to it is switched ON, and is designed for continuous operation (i.e. can only be switched off by disconnection of the electrical supply).
- 2.2 With the Fan Speed Controller (see Fig. 2) set to its minimum setting (fully anticlockwise), the unit will operate at the minimum designed ventilation rate.
- 2.3 To boost ventilation (i.e. when cooking), set the Fan Speed Controller clockwise to a position that provides the required ventilation.
- 2.4 Setting the Summer Vent switch (if fitted) to ON switches the Fresh Air fan off, thus venting warm stale air to the outside only.



**Fig. 2**  
**Fan Speed Controller**

### **3. CLEANING**

3.1 It is important that the following is observed.

3.1.1 **Monthly:** Clean kitchen extract filter and grilles.

3.1.2 **2 Monthly:** Clean all other extract grilles.

3.2 Grilles have push fit centres which are removed by pulling out. Grilles should be cleaned by washing in a soap solution, and dried before refitting.

**Note:** Some grilles have integral filters which are exposed when the grille is removed.

3.3 If a cooker hood extract is fitted, the instructions supplied with that appliance will provide the relevant information for cleaning.

### **4. MAINTENANCE**

4.1 Maintenance of your heat recovery unit is required annually. Contact your installer or the manufacturer for details.

**Johnson and Starley prides itself on its ability to supply spare parts quickly and efficiently. If your service engineer indicates a problem in obtaining a spare part, advise him to contact Johnson and Starley Spares Department at the address below.**

**Telephone: 01604 762881**

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