

Dimplex

Operating Instructions

IMPORTANT

These instructions should be read carefully and retained by the user. Note also the information given on the appliance.

VFM

Fan Storage Heaters

Important Safety Information

WARNING - THE SURFACE OF THIS HEATER CAN BE HOT

The surface temperatures of this heater are within the requirements of EN 60335, the European and British Standard covering the safety requirements of electric heating appliances, and momentary contact with any part of the heater should not cause injury. However, in order to be effective, heaters of any type do get hot, especially around the air outlet grille.

Therefore, if aged or infirm persons, or young children, are likely to be left unsupervised in the vicinity of a heater, precautions should be taken to ensure that prolonged contact with the heater cannot occur. We recommend that a guard is fitted around the heater, as is normal with some types of heating appliances in similar circumstances. If you require further information on these guards, please contact the Dimplex Help Desk on (01703) 785133.

CAUTION: DO NOT COVER SURFACES OF THE HEATER AND DO NOT OBSTRUCT AIR OUTLET GRILLES.

Surfaces of the heater should not be covered or obstructed as this can cause excessive temperatures that can be hazardous and may cause safety cut-outs to operate. For example, do not put clothes, fabrics or any combustible materials on the heater or allow curtains to come within 100 mm (4") of the top and ends of the heater and do not allow furniture to be pushed up against the heater. A minimum clearance of 300 mm (12") must be maintained between the air outlet grille and any furniture or other obstruction.

PLEASE NOTE: YOUR STORAGE HEATER IS VERY HEAVY.

For safety in use it must be securely fixed to a sound wall. **No attempt should be made to move the heater without first seeking specialist advice.** If you are not happy that the heater has been securely fixed, please inform your installer.

DO NOT SIT OR STAND ON THE HEATER.

PLEASE NOTE: Due to the newness of the materials used in manufacture, slight odours may be emitted from the heater when it is first switched on. It is therefore advisable to keep the room well ventilated, and persons suffering from respiratory conditions would be advised not to sleep in the same room until any odours have dispersed.

During first operation of the fan you may notice some dust discharged from the air outlet grille. This may be removed using the nozzle of a vacuum cleaner.

Models VFM 24i, VFM 32i, VFM 40i, VFM 48 i – General Description

Your VFM fan storage heater consists of a core of high density heat storage bricks surrounded by high quality insulation panels. During the off-peak electrical supply period, elements within the core heat up the core to a level determined by the user on the input control knob setting.

During the period after charging has ended heat is discharged in two ways to provide in the room. A certain level of heat is dispersed by natural convection and radiation from the heater case. However, the VFM models have a high degree of insulation to minimise this 'natural' discharge, and retain as much as possible within the heater.

Heat is also given out by using the built-in fan to blow air through the hot storage core and out of the low level air outlet grille. The storage core has air channels within it for rapid and efficient heating of the room air. To ensure that consistent outlet air temperatures are maintained an automatically operated temperature sensitive air mixing device is fitted into the base of the heater.

To provide maximum control over the output of the heater a room temperature sensing thermostat is provided, built-in to the heater. For example, this control allows the user to select either comfort room temperature conditions, or background heat. A full description of the operation of this control follows.

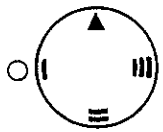
In the Operating Instructions given below, it is always assumed that the heaters have been sized correctly to cater for the heating requirements of the room in which they are installed.

Before operating ensure that the wall switches to both the storage and fan circuits are 'on'.

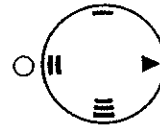
Operation

Input control

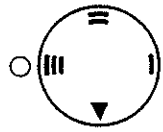
The setting on this control determines the amount of charge taken into the heater and thus the temperature of the storage core. The input control knob is the top control knob in the panel situated on the right hand side of the heater. In very cold weather the control should be set to its maximum setting (III). In less cold weather, spring and autumn, lower settings are selected. The actual settings required will be influenced by prevailing weather conditions, room size and insulation levels. The most suitable settings will be found by experience. An off position (zero charge) is also provided summertime (▲ setting). The control is fully variable so that intermediate settings can be selected between minimum charge and maximum charge. A guide to the likely settings is given overleaf:



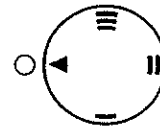
I. LOW SETTING (SPRING, AUTUMN)
A low level of heat sufficient for cool days,
or background heating



II. MEDIUM SETTING



III. HIGH SETTING
Maximum heat for very cold weather

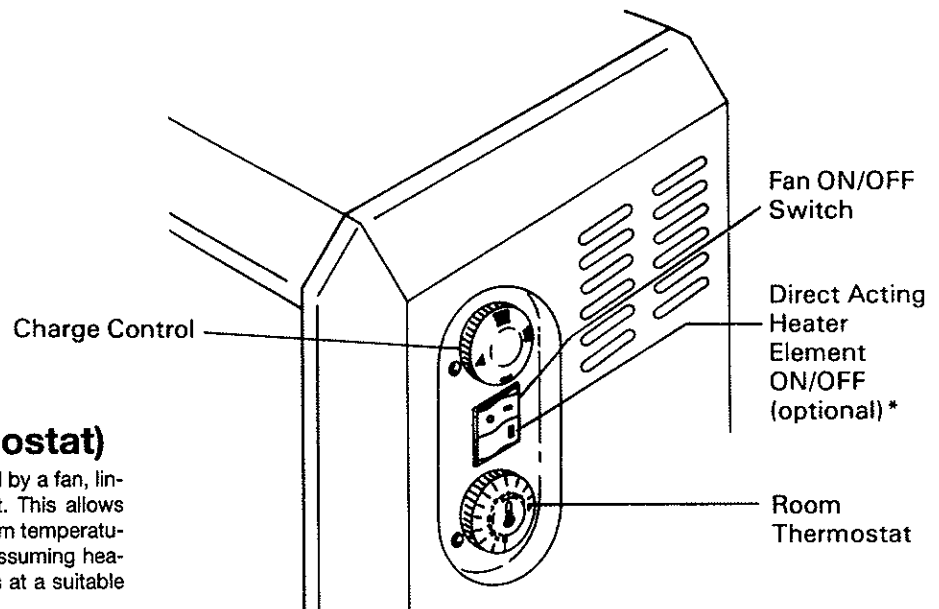


IV. SUMMER SETTING
(Heater takes no charge)

NB. The control is fully variable and may be set to any position in between these markings.

Output Control (room temperature thermostat)

Output of heat from the storage core is controlled by a fan, linked to a sensitive room temperature thermostat. This allows the user to set the heater to provide constant room temperature conditions throughout the discharge period (assuming heaters are adequately sized and the input control is at a suitable setting).



Minimum Output

In this mode the heater gives out heat by natural convection and radiation only from the heater case. Because of the design of the heater this natural discharge accounts for a lower proportion of the heating capability, it will however provide background heating, for example when rooms are unoccupied. Setting the Fan On/Off switch to the "Off" position will prevent the fan from operating.

Thermostatically Controlled Output

Setting the Fan Off/On switch to the "On" position, the neon will illuminate and the output of the heater may be controlled by means of the thermostat. The thermostat has an operational range from approximately 5° C (frost protection) to 30° C, although the exact range depends on environmental conditions. The markings around the thermostat range from minimum room temperature (▲) to maximum (12).

When setting the thermostat the current ambient room temperature setting can be found by moving the control knob until a slight "click" is heard. If at this setting the room feels too cold or too hot then the control should be adjusted up or down as necessary.

It is important to note that the higher the setting on the thermostat, the more quickly the storage core will be depleted, and even a small reduction in the thermostat setting will significantly help to preserve the core heat, thereby giving more economical use, and more heat available later in the day.

The fan will only operate as required to maintain the room temperature selected. During the early part of the discharge period the fan may only operate in short intermittent bursts. Later in the day the fan "On" periods will become more frequent, and of longer duration as the level of heat in the storage core reduces.

In normal circumstances, the fan on/off switch must be returned to the "off" position before the start of the next charge period.

Important – 24 hour Fan Availability

It is a feature of the heater that the fan is able to operate during the charge period as well as the discharge period, if the Fan on/off switch is left in the 'on' position. This enables the heater to maintain constant temperature levels in the room during the charge period, if required, for example for 24 hour heating. However if the thermostat is on a high setting, this may reduce the amount of stored heat by a significant level at the end of the charge period, and reduce the heaters performance during the subsequent discharge period.

For most economical use and when this facility is not required the user should always switch the fan switch to 'off', or the thermostat knob to a low setting, before the charge period commences.

Alternatively a timer may be fitted to the fan circuit to ensure that the fan only operates at specific times.

*** Direct Acting Heater (Optional)**

Your VFM heater may be fitted with an optional direct acting heater element. This provides auxiliary heating independent of the storage core – for example in spring or autumn.

A switch is already provided for this feature (see diagram above) but has no function unless the optional element has been fitted. If you require more information about this feature please contact your installer, supplier or Dimplex.

Cleaning

To maintain the external appearance of the storage heater it need only be wiped over occasionally with a dry duster. During the summer months, or at other times when the appliance is not in use and completely cold, opportunity should be taken to wipe over with a damp cloth. Do not use abrasive cleaning powders or furniture polish.

After Sales Service

Your Dimplex Storage Heater is guaranteed for one year from date of purchase. We undertake to exchange or repair within this period, any part found to be defective due to a manufacturing fault. This guarantee in no way prejudices your rights under common law.

Should you require after sales services, please get in touch with the supplier through whom you purchased the appliance, or your nearest Dimplex Service Agent.

Please do not initially return a faulty appliance or part an appliance to us as this may result in transit damage and/or delay in providing service. Let us know your difficulty quoting the model number of the appliance. We will then take the appropriate action.

Total Co-ordinated Heating

Dimplex manufacture a complete range of heating appliances in matching style, to provide co-ordinated heating throughout the home or office.

Disposal notice

The product must not be disposed of with your other household waste.



CE The product complies with the European Safety Standards EN 60335-1, EN 60335-2-61, EN 50336 and the European Standard Electromagnetic Compatibility (EMC) EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3.

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