

ATX[®] Radiation Heating

Operating Instructions

1. General

You have purchased a radiation heater type 4XX
This heating element is ideal for use indoors (houses, barns, stables, offices, factories, greenhouses, garages etc.)

The installation of the radiation heater is described in paragraph 3. The heaters are usually mounted on the walls or ceiling.

The heating element requires no special supervision when in operation. It is an effective source of heat which maintains constant warm temperatures in a room. This is due to the large heating surface and the universal non-metallic structure which ensures safe electrical insulation at all times.

2. Safety Precautions

Confirm that the heating element, the electric plug and the socket are in perfect condition during initial operation.

Never install the heating element when plugged in.

If the heating element is to be mounted on a wall or under a lid the included 4cm long supporting braces should be used. (See sketch para. 3)

It is forbidden:

- to immerse the heating element in water
- to install the heating element on the floor
- to place objects directly on top of the heating element
- to repair or manipulate the heating element in any way

When installed in barns or stables (pigs, pigeons etc.) the heating element must be mounted at least 50cm away from inflammable material (e.g. straw). If the heating element is installed under a lid, this lid must be made of non-inflammable material or be used only with a reflector plate. (See sketch para.4) Furthermore, heating elements mounted under a lid should be kept dust free.

When radiation heaters are installed in stables or damp rooms it is important that the RCD (residual current protective device) is complied with.

Protect the heating element from knocks or mechanical influences which could lead to damage of the surface or the insulation.

Make sure the mains connection cable is not damaged.

If the electric cable is damaged it should be replaced only by the producer, his customer service representative or another qualified person in order to avoid risk.

If the heating element is damaged the plug should immediately be taken out of the socket.

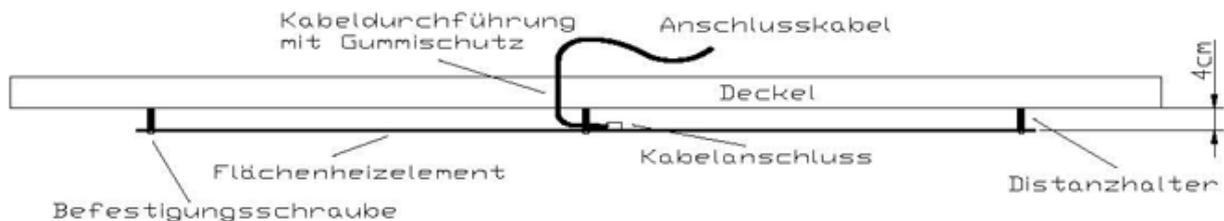
3. Installation of the heating element

The mains supply cable is permanently attached to the heating surface.

The cable is specified for a mains voltage of 230 volts / 50 Hz

The radiation heating element should be mounted as shown in the sketch. If the lid or the wall is not fire-proof, a corresponding fire protection (reflector plate) should be installed between the supporting braces and the lid/wall.

It is important that the electric cable is not subject to too much mechanical stress. Appropriate measures should be taken such as strain relief of the cable or rubber protection at cable entrance in the wall etc. The electric cable must be installed or protected so that it is not accessible for the animals.



4. Description of the device

The radiation heating element consists of a monolithic synthetic plate (glass fibre) which is the essential source of heat. This contains a non-metallic heating element which is connected to the electricity source with two enclosed electrodes. The soldered parts of the cable are to be found in the attached, insulated coupling connection. The heating element is encompassed with an insulating layer in which the holes necessary for mounting are to be found.

5. Maintenance

The radiation heating element should be dusted regularly.

6. Guarantee

The heater has a guarantee of two years provided all instructions for use and installation are adhered to.

7. Technical data

	445 A	460 A	490 A	440 A
Rating	420 Watt	200 Watt	290 Watt	400 Watt
Voltage	220 - 230 VAC			
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Length/Width	860 / 600 mm	600 / 330 mm	900 / 330 mm	1250 / 330 mm
Safety Class	II	II	II	II

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