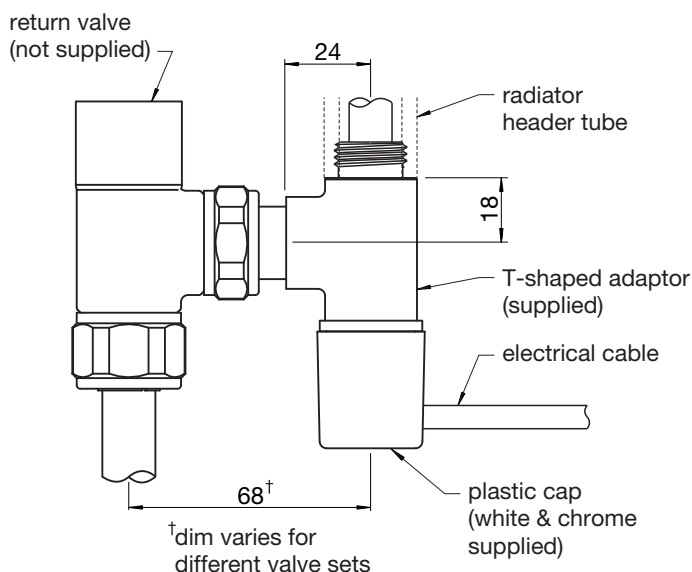


Zehnder DE-PACK Supplementary Heater



The DE-PACK electric heater should be fitted vertically through the 'T' shaped adaptor supplied and installed on the return side. (See illustration).

Zehnder radiators should only be installed on indirect central heating systems. (They must not be installed onto the domestic hot water supply.)

Safety Information

DE-PACK supplementary heaters are manufactured to conform to the IPX4 rating and are 'splash proof' and suitable for use in bathrooms.

Electric heaters should be fitted only by a qualified electrician and must be earthed and connected to a cable outlet in the bathroom in accordance with I.E.E. wiring regulations. The electrical connection should be made to a '5 amp fused fixed spur' located outside the bathroom.

Note: for maintenance purposes, cable outlets must remain accessible and cables must not be buried directly into walls.

Installation & Maintenance Notes

Sufficient PTFE tape must be applied clockwise to all necessary threads, prior to installation. Silicone thread sealant should be applied to threaded component with 'O-ring'.

Because the water within the radiator expands by about 4% as it heats up, the increased volume must be allowed to expand into the central heating system. Therefore it is **essential** that if a return valve has been installed, that this valve is left open when the supplementary heater is in use. The excess pressure could cause damage to the radiator and/or supplementary heater failure. The flow/inlet valve should be closed to isolate the radiator from the central heating system.

Never 'dry test' a DE-PACK electric heater (i.e. before the element is installed and the radiator is full of water).

Always turn off the element and any timer switch before 'draining down' a central heating system. If the system is empty when the timer activates the DE-PACK heater, the heater will overheat and blow its non-repairable fuse.

If the radiator is installed on an open-vented central heating system, ensure that the top of the radiator is at least 1 metre below the level of the expansion tank. Otherwise air will collect in the towel radiator and, if the radiator is not regularly vented, the element will not be fully surrounded by water. This will cause the element to overheat and blow its non-repairable safety fuse.

After connecting the radiator to the heating system, fill, vent, run system and check for installation leakages.

In accordance with our standard guidelines, it is strongly recommended that the central heating system is treated with a suitable inhibitor in accordance with BS7593. This will protect the heating element against the build up of limescale, maintain efficiency and also prevent against the collection of gases within the towel rail (gases are a by-product of corrosion and can depress water levels and expose working heating elements).

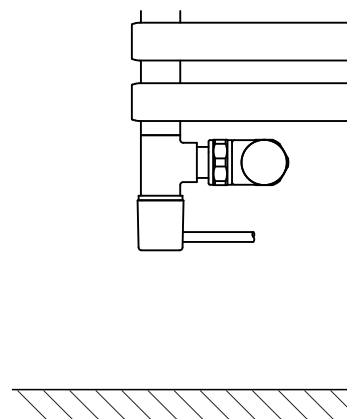
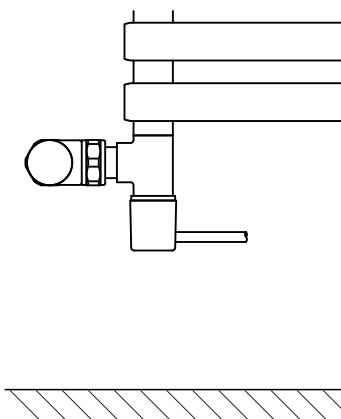
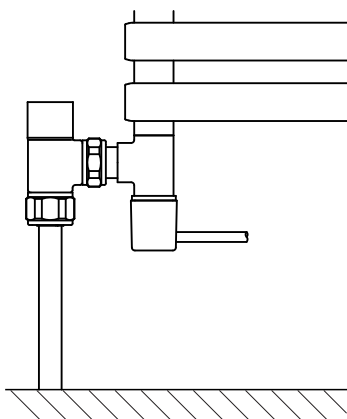
Instructions For Use

The supplementary heater should not be used at the same time as the central heating system. If it is, the heater constantly switches on and off, considerably reducing its working life.

When using a DE-PACK heater in conjunction with a central heating timer, ensure that the timer is set to off before the central heating system turns on.

If the heater is controlled manually, ensure that it is switched off before turning on the central heating.

Suggested Configurations



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