



## PEREGRINE COOLANT SYSTEMS

### **WHY IT MUST BE A *PEREGRINE***

*PEREGRINE* engine pre-heater kits have been manufactured in the UK for over 50 years, and their success is due to the widespread recognition that there is a need for a quality product providing reliable engine heating, backed by a prompt efficient service and sound technical assistance. There are many other reasons why you should chose to fit *PEREGRINE* heaters.

### **WHY IT SHOULD BE EXTERNAL TO ENGINE**

*PEREGRINE* engine coolant pre-heaters are mounted externally to the engine, and give many advantages over heaters fitted directly within the engine or radiator pipework. Not only is there sufficient space in *PEREGRINE* coolant heaters for a direct control thermostat to be fitted within the heater body, but the space also allows us to use relatively large heating elements, thereby reducing the element watts-density and surface temperature, and thereby giving a prolonged heater life. Using an external *PEREGRINE* heater unit (which is connected by hoses to two points on the engine) does mean that the heated water can be introduced directly to the block where the heat is required. Being controlled by a thermostat, the engine's coolant temperature will be maintained at a specified level irrespective of any ambient temperature fluctuations, and the heater will of course switch off should the engine be operated. The heater may also be replaced without the need to drain down the engine's cooling system by fitting a valved heater kit.

### **TYPES OF COOLANT HEATER**

*PEREGRINE* heaters are available in many designs; short, long, single element, twin element, multiple element, alarm circuit, standard and weatherproof, pumped and so on. There is a *PEREGRINE* to suit your application

### **WHY A 'MUST' ON CRITICAL INSTALLATIONS**

Many engines are required to start quickly and run smoothly upon demand. These engines could be on applications such as: hospital stand-by generators, fire engines, ambulances, lifeboats, computer back-up generators etc. For these and other critical applications we have developed the twin element 'D' type *PEREGRINE* heaters for added peace of mind. One advantage of incorporating a thermostat within the heater design is the need in some critical applications to maintain the block temperature at an almost working temperature to ensure immediate engine starting and smooth running. The adjustable thermostats used in *PEREGRINE* heaters are available in two ranges; 0-40C and 35-85C, covering all installation requirements.

### **WHY INSTALLATION IS EASY**

Whereas *PEREGRINE* coolant heaters are available as a separate item, they are usually supplied as a complete comprehensive kit. A standard kit comprises one or more thermostatically controlled heater units, heater mounting brackets, high temperature rubber or silicone hose, hose clips, a set of installation fittings for the specific engine in question, along with a set of fitting instructions and an installation drawing. The kits have been designed for ease of installation and can in most cases be installed on site as easily as in a works environment.

### **WHY YOU CAN RELY ON *PEREGRINE* EQUIPMENT**

As *PEREGRINE* equipment has been in extensive use in most branches of industry for many years, the level of knowledge and expertise within this organisation has increased to the point where we are able to supply engine pre-heater kits for ANY engine, usually from stock. Full technical back-up is available on all our product ranges. *PEREGRINE* coolant heaters are available in all supply voltages, and with a large range of standard wattages (100watts to 8000 watts), again from stock.

### **WHY HAVE CONFIDENCE IN *PEREGRINE* EQUIPMENT**

All standard *PEREGRINE* coolant heater kits are ex-stock, and they are despatched on the same day that your order is received unless otherwise specified. It is not even necessary for you to know which kit is most suited to your application, as all we need to know in order to be able to supply is the make and model of the engine, the supply voltage and the minimum ambient temperature at which it is likely to operate. All *PEREGRINE* coolant heaters are covered by a comprehensive 12 months warranty. Spare elements, thermostats, hoses, fittings etc are available for all *PEREGRINE* coolant heaters indefinitely.

Other *PEREGRINE* equipment includes: Engine lube-oil pre-heaters, Diesel fuel tank heaters, Diesel fuel line heaters, Automatic battery chargers, Battery pan heaters, Trace heating tapes, Other associated equipment together with a large number of customer specials.