

MOTOR DRIVEN AND STATIC GENERATORS

ROTATING OR STATIC SOLUTIONS

Rapid Heat Systems produces rotators or static generators of various capacities. Rapid Heat Systems manufactures induction heating generators and offers many solutions for on- and off-shore.

The most important advantages of the induction heating system are:

- **Safety**
- **High speed execution**
- **Heating uniformity**
with no material oxidation and alteration on the heated surface

STATIC GENERATORS

Inverters that can automatically vary their frequency to suit various pipe diameters; it is therefore, ideal for heating both small and large diameters. These generators can be supplied by electrical three-phase mains, by a power unit or by an alternator driven by a power take-off. They are particularly suitable for transportation on wheeled vehicles; for small diameter pipe and for off-shore applications. Rapid Heat Systems manufactures a variety of static generators as well as more powerful models for coating plants on request.

ROTATING GENERATORS OR MOTOGENERATORS

These are equipped with medium-frequency monophasic alternators driven by a diesel engine designed to operate in difficult environments and on sloping ground. By installing a suitable power factor correction box and connecting this to the coil, the magnetic field which heats the pipe is generated. Rotating generators are independent units that can be easily shifted from one loading plant to another

MK5

The MK5 is a small static generator (Inverter) specifically designed to carry out small, surface pipe line repairs. By means of a special portable coil, the area affected may be heated in a matter of minutes through a localized magnetic field, thus avoiding the use of a flame. With a specific inductor (coil) this generator can be used for pre-heating pipelines with a diameter inferior to 5".

EXTRAS

Rapid Heat Systems generators can, on request, be equipped with a UPR1 module, which enable them to carry our weld – drawing heat treatments in automatic mode. For these applications Rapid Heat Systems supplies all the accessories (insulating material, thermocouples, special coils etc.) and technical assistance required.

APPLICATIONS

Joint-heating for pre-installation of the shrink-sleeves
Weld pre-heating and post-heating
Epoxy powder fusion
Heat treatment

