



AUTOCLAVES for Composite Materials Polymerization

“*ECO-ENERGY*”

IROP always careful to the technological improvement of its machines, over recent years has paid particular attention for the environment and reduction of energy consumptions.

After a careful research, has developed **a new line of quick closing autoclaves for composite materials polymerization type "A" with "Energy Saving"** whose main characteristics are:

- weight reduction of the parts constituting the inner coating
- improving of the internal insulation using high density materials (heat dispersion towards the outside lower than 25%)
- increase of pressurized air recirculation flow and best distribution of ducted air (ducts opposite) obtaining a better distribution of heat on the goods to be polymerized and, consequently, optimization of autoclave internal temperature regulation
- best partialization of the regulation during the heating by the installation of "modular solid state relays"

In this way, it is obtained **a reduction of energy consumption for each cycle of polymerization of about 20%**, compared to what happened for the previous autoclaves type A.

It is clear that all the efforts that IROP made to contain costs, were honored and rewarded by the great satisfaction expressed by its customers.