

CATLIM MATELAS CALORIFUGE



MODEL Z.66 (ISOCOAT)

- It reduces power consumption caused by heating process more than 30%
- Excellent heat insulation
- Not inflammable and atoxic
- It keeps constant its characteristic at high temperatures
- Suitable for temperatures up to 500°C

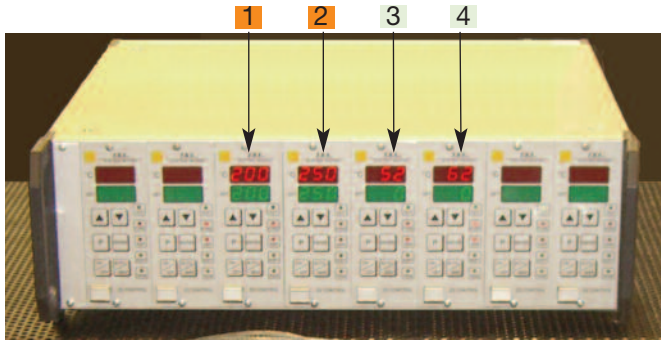
The use of the insulating mattress, model Z66 (ISOCOAT) as heat insulator around plasticization cylinders guarantees a remarkable reduction of the heat radiation toward the surrounding environment and the machine's structure. This enable the operator (the equipment operator) to work in optimum conditions (comfort) and, at the same time, prevents him from having any accident, due to the accidental contact with extremely hot surfaces.

Use

- Insulation of plasticization cylinders
- Insulation of ovens and tanks subjected to high temperature
- Insulation of valves, flanges and heat pumps
- Insulation of high temperature engine parts

Example of inside/outside temperature

- 1 Inside temperature mica band heater mod. Z32 (200°C)
- 2 Inside temperature ceramic band heater mod. Z41 (250°C)
- 3 External temperature of insulating mattress on mica band heater mod. Z.32 (52°C)
- 4 External temperature of insulating mattress on ceramic band heater mod. Z.41 (62°C)



Insulation mattresses on cylinder of a injection molding machine



Energy consumption report with and without insulation mattresses (Z66) on a Engel injection molding machine

With insulation mattresses:

Power consumption survey timeframe	Working h (decimal system)	Power consumption [kW]	Average power consumption (partial) [kw/h]	Overall average power consumption [kw/h]
From 03/01/2011 to 05/01/2011	48,00	21,30	0,444	0,443
From 07/01/2011 to 13/01/2011	96,25	42,50	0,442	

Without insulation mattresses:

Power consumption survey timeframe	Working h (decimal system)	Power consumption [kW]	Average power consumption (partial) [kw/h]	Overall average power consumption [kw/h]
From 17/01/2011 to 21/01/2011	94,00	61,40	0,654	0,646
From 24/01/2011 to 28/01/2011	94,75	60,60	0,640	

Is clearly shown by the results of the power reading that the energy saving rate is: **31,52%**