



CODE **GT1736**
 MODEL **THERMAL SHOCK-650**
 OVERALL DIMENSION . . . 1000x400x150 mm
 USEFULL DIMENSION . . . 650x650 mm
 WEIGHT 50 kg

CODE **GT0831**
 MODEL **THERMAL SHOCK-800**
 OVERALL DIMENSION . . . 1000x400x150 mm
 USEFULL DIMENSION . . . 800x800 mm
 WEIGHT 70 kg

CODE **GT1737**
 MODEL **THERMAL SHOCK-950**
 USEFULL DIMENSION . . . 950x950 mm
 WEIGHT 95 kg



CODE **GT0832**
 MODEL **THERMAL W - 700**
 OVERALL DIMENSION . . . 770x770x240 mm
 USEFULL DIMENSION . . . 700x700 mm
 WEIGHT 25 kg



CODE **GT1768**
 MODEL **THERMAL W - 1200**
 OVERALL DIMENSION . . . 1400x1220x350 mm
 USEFULL DIMENSION . . . 1200x1000 mm
 WEIGHT 60 Kg

THERMAL SHOCK TANK

STANDARDS
 UNI EN ISO 10545 - 9

DESCRIPTION

Determination of resistance to thermal shock on ceramic tiles:

- **THERMAL :**
If the glazed tiles are showing an absorption coefficient $\leq 10\%$ (m/m) must be immersed in a tank "THERMAL" with a water flow of 4 lt/min and a temperature of 15 ± 5 °C, with a sufficient dept to allow the tiles to be placed vertically, immersed and so that are not in contact with each other.
- **THERMAL-W:**
If the glazed tiles are showing an absorption coefficient $>10\%$ (m/m) must be use the tank "THERMAL-W". An aluminium plate of # 5 mm must to be put in the tank. The aluminium plate must have the lower flat surfaces to stay in contact with a water flow of 4 lt/min. while the upper surface must stay covered with a layer of 5 mm thickness of aluminium grains (diameter from 0,3 up to 0,6 mm) onto which the tile must lay with it's glazed face towards the grains. The temperature must be kept to 15 ± 5 °C. For both testings: after the tiles have been for 5 min. at low temperature, take them immediately into an oven with temperature 145 ± 5 °C sand then just repeat the test. The above procedure has to be carried out for 10 times.

TECHNICAL SPECIFICATIONS

- Tank supplied with tap and water flow meter
- Aluminium plate and grains (THERMAL-W)
- Holder tiles basket (THERMAL)

EQUIPMENT

- Stainless steel basket to hold the tiles (THERMAL).
- Aluminium plate with 2 kg of aluminium grains (THERMAL-W)

ACCESSORIES AND SPARE PARTS

GT0833	Packing of 2 kg aluminium grains
GT1566	Chiller