



CODE ..... **GT1736**  
 MODEL ..... **THERMAL SHOCK-650**  
 OVERALL DIMENSION ... 850x400x1000 mm  
 USEFULL DIMENSION ... 650X650 mm  
 WEIGHT ..... 50 kg

CODE ..... **.GT0831**  
 MODEL ..... **THERMAL SHOCK-800**  
 OVERALL DIMENSION ... 1000x400x1150 mm  
 USEFULL DIMENSION ... 800X800 mm  
 WEIGHT ..... 70 kg

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

CODE ..... **GT1900**  
 MODEL ..... **THERMAL SHOCK-650x1250**  
 OVERALL DIMENSION ... 1510x440x920 mm  
 USEFULL DIMENSION ... 650x1250 mm  
 WEIGHT ..... 90 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  $15 \pm 5^\circ\text{C}$ , 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 con tact 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  $15 \pm 5^\circ\text{C}$ . For both testings: after the tiles have been for 5 min. at low temperature, take them im mediately into an oven with temperature  $145 \pm 5^\circ\text{C}$  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