

Water Absorption Testing

Tank for vacuum water absorption tests VSVD Series

Suitable for fast determining the water absorption of ceramic tiles according to the vacuum immersion method.

Norms: UNI EN ISO 10545-3 and 10545-12

General features:

- Stainless steel tank and sample basket.
- Basement and cabinet for switch board made of dry painted sheet metal.
- Up to 3 modular stackable baskets (one supplied) suitable for housing up to a maximum of 72 tiles of 20cm x 20cm (with 3 stackable baskets)
- Aluminium cover.
- Automatic cycle test.
- Control board with keyboard and LCD display for test cycle setting and checking.
- 2 languages can be selected (- I - GB - F - E - D -)
- 2 available units of measure: kPa - mbar
- Programmable vacuum range: from -1 up to -92 kPa (below standard atmospheric pressure of 101 kPa).
- 3 board-selected, water levels for adapting the level to the size of the tiles being tested; up to 20cm; from 21 up to 40cm; from 41 up to 60cm.
- Automatic inlet water system controlled by electrovalve.
- Automatic or manual water dump.
- Power input 230 V, single-phase, 50 Hz, Power 0.55kW



VSVD/60 model

Suitable for tile sizes up to 60 x 60 cm, Overall dimensions: 126 x 60 x 114 cm, 182kg

VSVD/120 model

Suitable for tile sizes up to 60 x 120 cm, Overall dimensions: 185 x 60 x 114 cm, 410kg

Thermostatically controlled tanks for Water Absorption Tests. (Non vacuum) - VTD Series

Suitable for determining the water absorption of ceramic tiles, according to the boiling method according to UNI EN ISO 10545-3 norm.

General features:

- Stainless steel tank and sample basket.
- Dry painted steel Basement and cabinet for switch board.
- Stainless steel insulation cover panels
- Insulation: elastometric insulation material without halogens
- Cover with handles and vent pipe.
- Basket for containing nr. 12 25x25 cm tiles or nr. 6 60x60 cm tiles.
- Electric heating 4.5 kW armoured elements.
- Cooling with electrovalve controlled water cooling coil.
- Automatic test cycle with end-of-test beeper.
- Control board with keyboard and LCD display for test cycle setting and checking.
- Operator controllable parameters:
 - Boiling temperature
 - Stay boiling time
 - Cooling time
 - Cooling gradient
- 5 languages can be selected (- I - GB - F - E - D -)
- Power input 400 V, three-phase, 50/60 Hz



VTD/60 model

Suitable for tile sizes up to 60 x 60 cm.

- Power: 4.8 kW, Overall dimensions 144 x 43 x 114 cm, 157kg

VTD/120 model

Suitable for tile sizes up to 60 x 120 cm.

- Power: 12 kW, Overall dimensions: 204 x 43 x 114 cm, 220kg