



ANDEREN LIMITED



Registered in England number 4514202



Wherever in the world quality matters



ISO10545-9 Thermal Shock

Tank with Immersion

Overview

Ceramic Test Equipment for the determination of resistance to thermal shock of the ceramic tiles with water absorption lower than 10%, for tests according to the method with immersion of the ceramics testing Standard ISO 10545-9.

Details



The equipment allows the cooling phase of the hot-cool cycle to be undertaken. According to the ISO Standard, the tiles must be subjected to hot/cold cycles ten times.

The heating phase requires an oven operating between 105 and 110 °C.

Features

- * stainless steel tank supplied with tap and water volume measuring device
- * complete with stainless steel basket to place vertically the tiles

Product Code

THERMAL SHOCK TANK WITH IMMERSION.

Inside dimensions 450x300x560 mm.

ISO10545-9-TS-DRY-S

LARGE THERMAL SHOCK TANK IMMERSION

Inside dimensions 760x300x560 mm

ISO10545-9-TS-WET-L

Registered in England number 4514202: VAT number GB 900 7819 34

Registered Office: Anderen Ltd 85 Blurton Road, Stoke-on-Trent, ST3 2BS, UK

Tel: +44 (0) 1782 326027

Email: info@ceramictestingequipment.co.uk www.ceramictestingequipment.co.uk

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Thermal Shock Tank Without Immersion

Overview

Ceramic test equipment for the determination of resistance to thermal shock of the ceramic tiles with water absorption higher than 10% to ISO 10545-9 where immersion in water is not possible

Details

The equipment allows the cooling phase of the hot-cool cycle as required by ISO 10545-9.

Tiles must be subjected to this cycle ten times

The standard also calls for the test bed to be covered with 5 mm of aluminium grains

An oven is required for the heating phase which needs to be of sufficient size to accept the samples under test and operating up to 150 C.



Features

- * stainless steel tank supplied with tap and water volume measuring device
- * tank dimensions: 580x580x120 mm
- * maximum tile size: 550x550 mm

Additional Spares included

3 kg Package of aluminium grains (0,6 - 1,0 mm)

Product Code

THERMAL SHOCK TANK WITHOUT IMMERSION - ISO10545-9-TS-DRY

Dimensions: 670x590x220 mm Gross Weight: 22 kg

SPARES

3 KG pk Aluminium Granules (06-1,0mm) TSALGRAN

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Do you require additional chilling?

Conventionally the cooling phase is controlled using running cold water. This does however have disadvantages for example if your lab is in an area where water is not plentiful and it is not ideal for environmental reasons to simply waste it

Or

If the ambient temperature in the lab or on the incoming cold water supply is high, you may need to install a chiller unit

Or

if you are testing a lot of samples



CHILLER to maintain the cooling water temperature at 15C. This can be supplied separately or as part of the installation

The KT1 series of compact Chillers have 1000W cooling capacity with microprocessor 3 term PID temperature controllers. These compact self contained units have easy to use front panel programming and three different pump options offering three alternative flow rates. Further accessories and options are available to greatly extend the functionality and applications of these chillers.

Key Features

- Compact self contained unit
- 1000 Watt cooling capacity (@20°C set point)
- Full control of temperature Versatile flow rates and pressures
- Temperature adjustable in 0.1°C increments
- Temperature stability $\pm 0.1^\circ\text{C}$
- Temperature range $+4^\circ$ to $+35^\circ\text{C}$
- Microprocessor 3 term PID temperature controller
- Adjustable temperature alarms
- 100% water savings
- No sewage-waste costs
- Power efficient
- Portable and quiet operation
- Wide choice of options and accessories

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- Built to ISO 9002 CE Standards

Dimensions: 370mm x 450mm x 540mm (LxWxH)

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