



ANDEREN LIMITED



Registered in England number 4514202



Wherever in the world quality matters



Autoclave for ceramic testing to ISO 10545-11 (Craze Resistance Testing)

Overview

Ceramic testing equipment for the determination of the crazing resistance of the glazed tiles to ISO 10545-11 and craze resistance of tableware.

Details

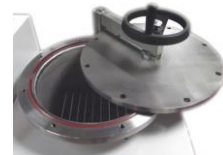


Constructed from heavy duty stainless steel this instrument is designed for the determination of the crazing resistance of glazed ceramic tiles and tableware by exposing them to 10bar.

All units carry an independent safety inspection certificate

Units are supplied with automated control through an electronic programmable controller. The instrument is pre-programmed to meet the needs of ISO10545-11 but the operator can also create their own pressure profiles

This instrument can perform both simple and complex cycles with multiple steps in the raising, holding and descending pressure phases.



Technical features:

Max pressure: 10,0 bar - 1000 KPa

Operating temperature: 180 °C.

Material: AISI 304 stainless steel

Basket with dividers for samples

Dry painted steel base and cabinet for switchboard.

Construction: electro-welded.

Cover: flat. Bottom: convex

Cover seal: through self-sealing silicone gasket.

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

©Anderen Ltd 2017



ANDEREN LIMITED



Registered in England number 4514202



Wherever in the world quality matters

Cover closed with high resistance screws with hand wheel, safety anti-opening feature which acts when the unit is under pressure

Cover opened with hinge

Heating: electrical power three-phase

Cooling: water circulation coil controlled by a solenoid valve (requires a water source and drainage)

Insulation: rock wool.

Automatic test cycle with end-of-test beeper.

Control board with keyboard and LCD display for test cycle setting and checking.

Operator settings: (5 optional languages can be selected)

(Please note that the settings for ISO10545-11 are already pre-programmed into the controller)

Operating pressures

- Measure unit pressure: bar - KPa
- Pressure gradient from 0,1 to 10 bar/h
- Dwell (pressure and time)
- Dwell at atmospheric pressure
- Electrical heating with minimum inertia

Additional Equipment included:

Ware rack made of stainless steel

Safety valve preset at 10 bar

Pressure Meter 0-16 bar for the internal pressure control

We recommend that clients buy spare lid seals when you buy the autoclave as these are a consumable item. We also recommend that you consider a spare element and element fitting kit to avoid down time.

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

©Anderen Ltd 2017



ANDEREN LIMITED



Registered in England number 4514202



Wherever in the world quality matters



Product Codes

Autoclave AUT350

Capacity 73 lt

Useful internal dimensions Ø 350x750 mm

Power requirements 3Kw 3phase (single phase available on request)

Net Weight 250 Kg

Overall dimensions 1600 x 800 x 750mm

Autoclave AUT450

- Capacity: 97 litres

- Useful internal size: ø 450 x 450 mm deep

Power requirement 5 kW, 3phase

Net weight: 250 kg

Overall dimensions: 1100 x 770 x 1300 mm

Autoclave AUT650

Capacity: 300 litres

Useful internal size: ø 670 x 650 mm deep

power 12 kW, 3 phase

Net weight: 510 kg

Overall dimensions: 1360 x 1050 x 1600 mm.

Spare Parts

Replacement element complete with fixing kit Cover seal

Pressure gauge 0-16 BAR

Safety Valve 1/2"

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

©Anderen Ltd 2017



ANDEREN LIMITED



Registered in England number 4514202



Wherever in the world quality matters



You may also need

Handling kit AUT/HK

Heat Resistant gloves

PVC Dippers Gloves

Waterproof Apron

Water Tank for dipping tiles after test

Methylene Blue dye

Also

ISO10545-11 requires samples to be viewed under

Light box producing 300 lx

You can order these with the Autoclave

IMPORTANT NOTE

- Please note that it is very important to follow the operating instructions that are provided with the instrument.
- **Important** - The autoclave must never be run without water to avoid damaging the element
- It is the buyers' responsibility to ensure that all local safety legislation regarding the use of pressure vessels is met

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

©Anderen Ltd 2017