



# GINTRONIC

## GINTRONIC Wax Equipment



**Additional Information**

# INTRODUCTION

The GINTRONIC Wax-Equipment is a state of the art manifold for test assembly preparation

for Water Vapour Transmission Rate (WVTR) measurements using wax as a sealing agent by the gravimetric method.

The GINTRONIC permeation cups are filed with a desiccant, water or salt solution according to the different standards.

The sample (test specimen) is placed on the top of the permeation cup.

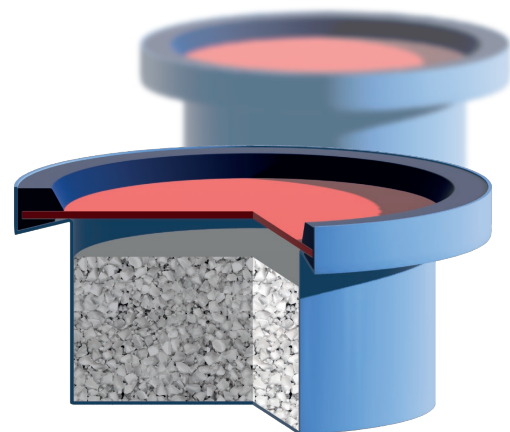
With the GINTRONIC sealing unit a vapour tight seal between the permeation cup and the sample is created by applying melted wax.

Once the wax is cooled down the so called test assembly (Cup, sample, desiccant and wax) is ready for use.

Samples can be polymeric films, foils and other sheet materials with a thickness up to 50mm\*

Applicable known standards:

- ISO 2528
- DIN 53122-1
- ASTM E96
- EN 1931
- EN 12572
- and many others



*\*samples thicker then 3mm require additional distance rings 73-2320*

# 1. GINTRONIC Kit Waxsealing 50cm<sup>2</sup> up to 3mm sample thickness

## 1.1 Version Alu

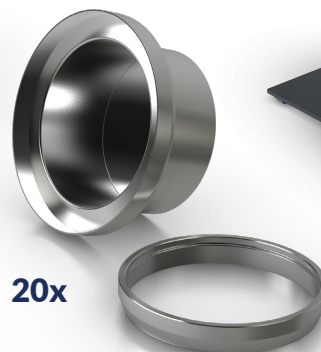
**No. 73-2300-SET**

- 20x Cups Alu with center rings **No. 73-2300 (73-2305 + 73-2310)**
- EN1931 / EN ISO12572 / ASTM E96
- 1x Device for closing **No. 73-3151**
- 5kg sealing compound **No. 73-3152**
- 1x cutting Template **No. 73-3153**
- Device for heating of the wax has to be organized by the customer
- For materials with rough surface
- ASTM E96: required for samples with low WVTR

## 1.2 Version Inox

**No. 73-2330-SET**

- 20x Cups Inox with center rings **No. 73-2330 (73-2331 + 73-2310)**
- Material: Stainless steel 1.4404 (V4A)
- EN1931 / EN ISO12572 / ASTM E96
- 1x Device for closing **No. 73-3151**
- 5kg sealing compound **No. 73-3152**
- 1x cutting Template **No. 73-3153**
- Device for heating of the wax has to be organized by the customer
- For materials with rough surface
- ASTM E96: required for samples with low WVTR



# 2. GINTRONIC Kit Waxsealing 50cm<sup>2</sup> up to 50mm sample thickness

## 2.1 Version Alu

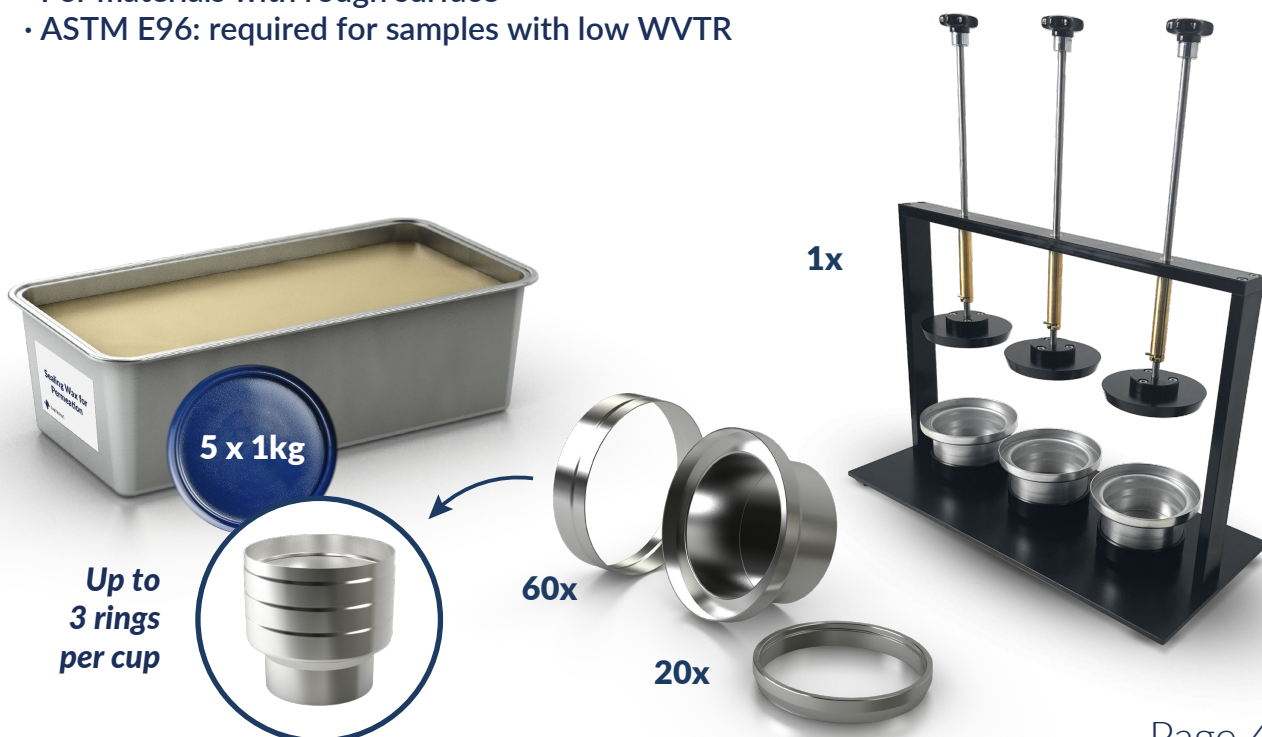
**No. 73-2301-SET**

- 20x Cups Alu with center rings **No. 73-2300 (73-2305 + 73-2310)**
- EN1931 / EN ISO12572 / ASTM E96
- 60x Distance rings (Alu)  
to adapt board of the cup to sample thickness up to 50mm **No. 73-2320**
- 1x Device for closing **No. 73-3151**
- 5kg sealing compound **No. 73-3152**
- 1x cutting Template **No. 73-3153**
- Device for heating of the wax has to be organized by the customer
- For materials with rough surface
- ASTM E96: required for samples with low WVTR

## 2.2 Version Inox

**No. 73-2331-SET**

- 20x Cups Inox with center rings **No. 73-2330 (73-2331 + 73-2310)**
- Material: Stainless steel 1.4404 (V4A)
- EN1931 / EN ISO12572 / ASTM E96
- 60x Distance rings (Alu)  
to adapt board of the cup to sample thickness up to 50mm **No. 73-2320**
- 1x Device for closing **No. 73-3151**
- 5kg sealing compound **No. 73-3152**
- 1x cutting Template **No. 73-3153**
- Device for heating of the wax has to be organized by the customer
- For materials with rough surface
- ASTM E96: required for samples with low WVTR



# 3. GINTRONIC Waxsealing cups



### 3.1 Cup Alu without center ring

No. 73-2305

- total height 45mm, inner height 37mm
- Outer-upper- $\varnothing$  98mm, Inner-lower- $\varnothing$  73mm
- EN1931 / EN ISO12572 / ASTM E96
- Weight approx. 40g



### 3.2 Cup Inox without center ring

No. 73-2331

- Material: Stainless steel 1.4404 (V4A)
- total height 45mm, inner height 37mm
- Outer-upper- $\varnothing$  98mm, Inner-lower- $\varnothing$  73mm
- EN1931 / EN ISO12572 / ASTM E96
- Weight approx. 100g



### 3.3 Center Ring for GINTRONIC Waxsealing cups

No. 73-2310

The center ring is necessary, when you want to use the GINTRONIC wax cups together with GINTRONIC GraviTest.

- Weight approx. 25g



### 3.4 GINTRONIC Distance Rings

No. 73-2320

- to adapt board of the cup to sample thickness up to 50mm
- approx.  $\varnothing$ 98mm; height approx. 23mm
- Weight approx. 14g



**3 rings  
maximum  
possible per cup**



**1 ring makes  
the cup approx.  
16mm higher.**

## 4. GINTRONIC sealing Wax



1 PU = 5 kg (PU = Package Unit) Sealing Compound to create a vapour tight seal between specimen and the permeation cup

**No. 73-3152**

## 5. GINTRONIC sealing unit



Device for closing 3 permeation cups 50cm<sup>2</sup> at the same time with sealing wax.

**No. 73-3151**

# GINTRONIC AG

- Swiss quality
- Specialized in WVTR measurement instruments
- Over 200 WVTR measurement instruments sold worldwide till 2005
- **2 years** warranty on all GINTRONIC instruments
- Possibility of customized instruments

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