



Cleanroom Drying Ovens TKRR

Reliable Drying and Thermal Processing

EHRET Cleanroom Drying Ovens

are specifically engineered for use in controlled cleanroom environments, ensuring the safe and reproducible drying of sensitive products. The cleanroom-compliant construction, combined with precise process control, minimizes contamination risks and meets the highest requirements for quality and process reliability.

Equipped with HEPA-filtered process air and offering homogenous temperature distribution, these drying ovens are ideal for applications in the pharmaceutical, semiconductor, medical technology, and research industries.

Smooth stainless steel surfaces and a cleanroom-optimized design allow for easy cleaning and seamless integration into existing cleanroom processes.

Suitable for use in cleanrooms up to ISO Class 5 according to ISO 14644-1.



Key Features

- ▶ Adjustable temperature range: from 40°C to 200°C.
- ▶ Electronic temperature and process control: for precision and stability.
- ▶ Intuitive operation: easy configuration via an integrated touch panel.
- ▶ Simple remote access: monitoring and operation through an integrated Remote Control system.
- ▶ Full stainless steel construction: manufactured from 1.4301 (AISI 304) grade steel.
- ▶ Flush-mounted door design: for a sleek, low-particle profile.
- ▶ Heat-resistant internal HEPA circulation filters: H14 grade with 99.995% efficiency.
- ▶ Optimal air circulation: driven by a radial fan in the ceiling section with horizontal airflow.
- ▶ Customization: special designs and bespoke adaptations available upon request.

100 Jahre excellence in the development, manufacturing, distribution, and qualification of equipment and systems for laboratory, pharmaceutical, and cleanroom technology



Product Specifications and Options

Model	TKRR 940-1-100	TKRR 1440-1-100	TKRR 1840-1-100
External dimensions WxHxD (mm)	2135x2185x1010	2335x2520x1010	2335x2910x1010
Work chamber dimensions WxHxD (mm)	1000x1250x750	1200x1585x750	1200x2045x750
Volume (L) approx.	940	1440	1840
Net weight (kg)	700	1150	1400
Shipping dimensions WxHxD (mm)	2230x2325x1200	2430x2670x1200	2430x3140x1200
Gross weight (kg) approx.	800	1300	1600
Electrical connection (V / Hz)	230/400 / 50		
Power rating (kW)	15	18	21
Outer casing / Interior + Perforated shelves	Stainless steel grade 1.4301 (AISI 304) brushed / dull finish		
Number of shelves included	3		
Shelf dimensions WxD (mm)	930x675	1130x675	1130x675
Max. number of shelves	6	8	10
Shelf adjustment grid (mm)	30		
Load capacity per shelf (kg)	70		
Max. total load (kg)	300		
Circulation / Exhaust air volume (m³/h) approx.	1000 / 150	1500 / 150	2000 / 150
Spatial temperature deviation / Temporal temperature fluctuation (measured according to DIN 12880 at 150°C)	±2,8 ±0,5	±3,4 ±0,5	±3,7 ±0,5
Safety class according to DIN 12880 Adjustable temperature limiter, Class 2	■	■	■
DEHS test ports located in the top front panel	■	■	■
Temperature/Process control via Eaton XV-303 7" touch panel	■	■	■
Temperature/Process control via Siemens MTP700 Unified touch panel	□	□	□

■ Standard | □ Option | - not available

MADE IN GERMANY

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