

Precise Oven / Cabinet Dryer

Application

Precise oven or cabinet dryers are mostly used for drying, baking, sterilization of non-volatile items and heat treatment test for mining enterprises, schools, medical and scientific research. Especially for simultaneous drying of different kinds of polymers in small quantities for drying materials for trial molding. They can also be applied in electronic engineering, electroplating, and pharmacy, paint baking, printing industries, etc. for preheating or drying related products.

Features

- Provide a series of stable and reliable precision oven, KOV precise oven inside the box dimension is divided into eight kinds of standard specifications, can meet various requirements.
- Forced air supply circulation system and the special outlet design to ensure perfect humidity and temperature uniformity.
- LED digital temperature controller, easy operation and bring you happy customer experience.
- Air-exhausting Device is optional
- Other ultra high temperature oven series can reach 500 °C are available upon customized.

Standards Met and Implemented:

GB-2423. 2-89(IEC68-2-2) Test B: High Temperature Test

GJB360. 8-87(MIL-STD. 202F) High Temperature Life Test

GBJ150. 3(MIL-STD-810D) High Temperature Test

Main technical specifications

Temp. fluctuation: $\leq \pm 0.5^{\circ}\text{C}$

Temperature deviation: RT ~ +200 °C $\leq \pm 2.0^{\circ}\text{C}$

+200 °C ~ +300 °C $\leq \pm 3.0^{\circ}\text{C}$

Temp. constancy: $\pm 1.0^{\circ}\text{C}$

Heat up time: 50 °C to 200 °C within 50 min

Control temperature means: Forced hot air circulation, ventilation mode

Interior material: Stainless Steel Plate

Exterior material: Baked painting steel

Specifications of drying oven					
Model	KOV-50	KOV-100	KOV-200	KOV-290	KOV-500
Interior size (W*H*D)mm	400*350*350	450*500*450	600*600*600	600*950*500	800*1050*600
Exterior size (W*H*D)mm	1010*650*760	1110*800*1100	1260*900*1100	870*1590*640	1160*1760*880
Capacity(KVA)	3.5	3.5	4.5	4.5	6
Power	AC220V±10% 1Φ 50Hz/60Hz		AC 380V±10% 3Φ4wire 50Hz/60Hz		
Temp. range	50 °C~ 200 °C(300 °C)				
Temp. constancy	±1.0 °C				
Temp. uniformity	±2.0 °C(50 °C~ 200°C) ±3.0 °C(101 °C~ 200 °C)				
Heat up time	50 °C to 200 °C within 50 min				
Interior material	Stainless steel plate				
Exterior material	Painted Stainless steel plate				
Insulation material	Glass wool				
Safety devices	No fuse breaker, over temp protection, ceramic fuse				
Accessories	Recorder, insulating layer				
Note: 1. We reserve the right to change specifications without prior notice 2. Customized sizes and configurations					

Specifications				
Model	KOV-600	KOV-720	KOV-1000	KOV-1800
Interior size (W*H*D)mm	1000*1000*600	900*1000*800	1000*1000*1000	1600*1400*600
Exterior size (W*H*D)mm	1360*1720*880	1300*1750*1000	1300*1750*1000	1600*1940*1200
Capacity(KVA)	6.5	7.5	8.5	9.5
Power	AC 380V±10% 3Φ4wire 50Hz/60Hz			
Temp. range	50 °C~ 200 °C(300 °C)			
Temp. constancy	±1.0 °C			
Temp. uniformity	±2.0 °C(50 °C~ 200°C) ±3.0 °C(101 °C~ 200 °C)			
Heat up time	50 °C to 200 °C within 50 min			

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Standard Version Features:

Nominal temperatures 250/300/350/400 °C;

Outer casing made of galvanized sheet steel, with coating blue, white color;

Corrosion-resistant inner casing made of galvanized sheet steel;

Low external wall temperature and minimal loss of energy due to high quality, generously dimensioned thermal insulation of rock wool;

Grid rails in working chamber, facilitating height adjustment of wire-mesh shelves and grates;

The temperature-resistant door gasket is easily exchanged;

Door of walk-in units can be opened from inside;

Tubular heating elements made of stainless steel;

Safety temperature limiter (protects unit);

Microprocessor-based temperature controller with solid state relays ensures minimal control fluctuations;

Control panel with additional display and control elements which can be upgraded, thanks to its modular construction;

Exemplary air ducting system which enables an incredibly even temperature distribution to be achieved, even with a fresh air supply. The air in the working chamber is mixed in this system with fresh air sucked in via a heating register, mixed by the circulating air fan and conveyed once more to the working chamber.

Air exchange via air intake and exhaust flanges. Air intake flanges are closed by delivery.

Features of portable small laboratory vacuum drying oven device:

1. Made of high quality coated stainless steel plate, processed with electrostatic powder spraying; the coat is hard and firm, with strong rust resistance.
2. The test space for the high quality matte stainless steel plate, round shape, easy to clean.
3. Between housing and inner steel plate, filled with rock wool and ceramic wool thermal insulation material, so the drying oven has good thermal insulation function, effectively guarantee high temperature bearing capacity and the accuracy of the stability of the temperature in the cabinet and the use of the environment.
4. The door is for multi-hollow glass structure, the material heated in the oven can be observed clearly, and have good heat insulation effect. Can effectively avoid burns operator.
5. Test space and equipped with heat resistant rubber sealing ring between the glass door, to ensure to achieve high vacuum degree in the box.
6. The outer surface of the heater is installed on the inner wall of the test area, to improve the uniformity of the temperature in the cabinet as much as possible, and to facilitate the room clean.

Points you may concerned:

Ovens for Specific Applications

With its wide range of special application ovens, we can meet all your research and industrial needs, from plastics and electronics to pharmaceutical and car manufacturing.

Temperature precision

For specific heat treatment processes and drying of protective heat sensitive materials, we have a precise answer.

Safety for high-risk heating

Where there's a risk of fire, explosion or the release of aggressive gases or vapors, we offer a safe oven solution.

Material-specific

There are high precise drying ovens specifically designed for materials testing, including cable testing ovens for rubber and plastics.

Space saving

A choice of built-in and bench top ovens optimize your laboratory space.

Customized Products

We will work in partnership with you to tailor-make your oven to meet your particular specifications.

Competent advice

Explain your application need to our specialist and we will suggest the right product.

Packing Details:

We use PP Film wrapping the test chamber to protect the test chamber from moisture or being scratched first, then use strong plywood case for easyload and transport, and to keep the chambers from potential crash or impact.

After-sale Service:

If you face any problems in future during testing process we promise we will give you a reply within 48 hours and solution provide within 3 working days. We can offer operation video and English operation manual. We can provide video-conference. If customers require on-site service, the transport and travel expense shall be borne by customer.

Why Choose KOMEG?

Company information:

Being a first-class supplier and reliable partner, we are certified to ISO 9001 and got CE approval for all our products. All equipment are 7 x 24 hours tested before delivery. That explains why Komeg is the private brand of choice for many well-known brand enterprises, and also one of the very few designated suppliers who were recognized by many top 500 enterprises. Let Komeg's 26 years of professional experience work for you too.

Better Idea, Design and Quality

We strive for continuous innovation, releasing no less than five new designs each year. Our strong R&D team and skilled workers is the key to our success. No matter it is standard or custom-made project, we have rich experience in handling such so that customers worldwide can benefit more when working with us. And to ensure your specific test standards are met, the key components and parts we are using are imported famous

brands. That's why SGS, Konica Minolta, Senko, Midea, TCL and Huawei are among our long-term clients.

Establish a cultural KOMEG, Build a century brand.

Quality conscious enterprise for quality conscious people.

We'd rather explain for the price than apologize for the Quality life long

Experienced and skilled staff;

High precision & reliability performance;

Prompt after-sale service;

Persist on the philosophy all the time

Besides this, we have a lot of other chamber for your reference:

3-zone/ 2-zone Thermal Shock Chamber

Walk-in Constant Temp. And Humidity Chamber

Rapid Temp. Change Chamber

Precise Drying Test Chamber

Temperature/ humidity/ vibration three integrated Chamber

Precise Drying Chamber

Vacuum oven/ no oxidation oven

Air Exchange Type Aging Oven

Burn-in Room

Salt spray Chamber

Vibration Testing Machine(mechanical and electromagnetic)

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