

# Precision/Vacuum Oven - KOV

## Product Overview

Suitable for drying, baking, sterilization, disinfection, heat preservation, and heat treatment tests of non-volatile items in industrial and mining enterprises, schools, food, chemical, medical, and research institutions.  
Arbitrary constant temperature setting, simple operation, and accurate temperature control.  
Additional ultra-high temperature oven series available, with maximum temperature up to 500°C.

Vacuum ovens, also known as vacuum drying ovens, are widely used for drying and baking devices under vacuum conditions. Integrated design, with a stainless steel working chamber and glass door, and an outer shell made of high-quality cold-rolled steel plate, filled with environmentally friendly aluminum silicate fiber cotton, and surface-coated for durability. Equipped with high-efficiency energy-saving heaters and a sophisticated control system, with layered heating in the chamber for more uniform temperature distribution.  
PLC and touch screen control, PID temperature control for precise temperature regulation without overshooting.



## Technica parameterl

Model		KOV							
		50A/B	100A/B	216A/B	290A/B	324A/B	432A/B	768A/B	1000A/B
Interior size (mm)	W	400	500	600	600	600	600	800	1000
	H	400	500	600	950	900	1200	1200	1000
	D	340	400	600	500	600	600	800	1000
Exterior size (mm)	W	640	1040	840	840	840	840	1040	1240
	H	845	880	1140	1490	1440	1740	1740	1540
	D	698	905	1005	905	1005	1005	1205	1405
Floor area (m²)		0.45	0.94	0.85	0.76	0.85	0.85	1.25	1.74
Temperature Range		(Type A) RT+20°C to +200°C (Type B) RT+20°C to +300°C							
Temperature Fluctuation		±0.5°C							
Temperature Uniformity		±2.0°C (RT+20 to +100°C) ±3.0 °C (+101 to +200°C)							
Heating Time		RT+20°C to +200°C 60min (Empty)							
Internal Chamber Material		High-quality SUS stainless steel, fully welded							
External Chamber Material		High-quality cold-rolled steel plate, surface electrostatic powder coating							
Insulation Material		High-quality glass fiber wool, flame retardant grade A1							
Protection Devices		Over-temperature protection, overheat protection relay, fan overload protection, fuse, phase loss protection, overload short-circuit protection, alarm action.							
Standard Accessories		2-layer stainless steel sample rack, 4 mobile casters (with leveling feet)							

\*Note: Each parameter, size and appearance are tailored according to customer requirements.  
We reserve the right to modify technical parameters.

## Technical parameter

Model	Power	Control Range	Vacuum Limit	Chamber Dimensions (W*H*D)mm
KUO-27-200	3KW	60°C to 200°C	133Pa	300*300*300
KUO-72-200	4KW	60°C to 200°C	133Pa	400*450*400
KUO-100-200	5KW	60°C to 200°C	133Pa	450*450*450
KUO-290-200	7KW	60°C to 200°C	133Pa	600*950*500

\*Composite Salt Spray Test Machine - HL