

ZHICHENG[®]

Forced-air Drying Ovens



CE



The left photo shows model ZXFD-B5140 drying oven with vertical airflow.

ZHICHENG[®] has launched the new drying ovens to replace the old models. The new ovens come with plenty of latest technology and features, with a new body and a new name

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LABWIT® that is supposed to change customers' perception of the brand. All our ovens are rigorously tested by the independent, third party body DNV for complete user safety.



The above photo shows model ZXRD-B5110 drying oven with horizontal airflow.

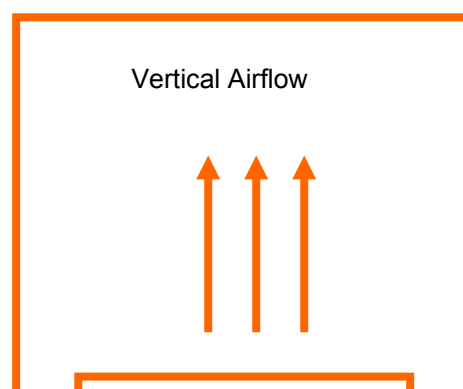
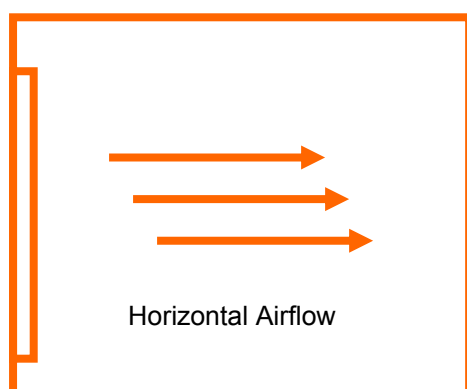
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Description

ZXRD/ZXFD-B series forced-air drying ovens manufactured by ZHICHENG[®] are engineered for fast removal of moisture from the samples as quickly as possible. The ovens feature either horizontal or vertical recirculating airflow in the chamber, a high volume fan circulates the air through the perforated, stainless steel shelves to create a constant and uniform airflow across all sections of the oven. Each of the ovens is microprocessor controlled with high-limitation temperature monitoring and real time clock for auto-start. The ovens have two running modes for quick and easy operation: Steady mode and Programmable mode. In the programmable mode, 9 programs can be stored in the memory for running multiple "ramp and soak" cycles, or for just running at one temperature for a given time and then switching automatically to another temperature for another given time. As a standard feature, an alarm is incorporated to warn of overtemperature deviations, and a relay offers immediate heating cutoff in case of fault. Cleaning is easy due to the mirror-finished stainless steel interior. For many years, the customers rely on ZHICHENG[®] ovens for maximum efficiency, increased performance and reduced costs.

Features:

- 1) P.I.D microprocessor offers advance control.
- 2) Forced-air circulation provides excellent temperature uniformity.
- 3) Faster drying processes due to higher airflow rate and exhaust air vents.
- 4) Real-time clock & timer with delayed autostart from 0 to 99.59 hours.
- 5) Programs for running multiple "ramp and soak" cycles
- 6) Audible and visible alarm on over/under temperature.
- 7) Password protection on safety operation against children and outsiders.
- 8) Non-volatile memory retains preset parameters during a power failure.
- 9) Large LCD for easy digital setting and fast readout.
- 10) Independent triple safety protections to the samples, the user and the oven.
- 11) SUS304 mirror-finished stainless steel interior offers easy cleaning.
- 12) Sturdy, welded chamber wall with glassfiber insulation and silicone door gasket.
- 13) Servicing is easy due to modular structure construction.
- 14) Extra shelves available
- 15) CE Conformance

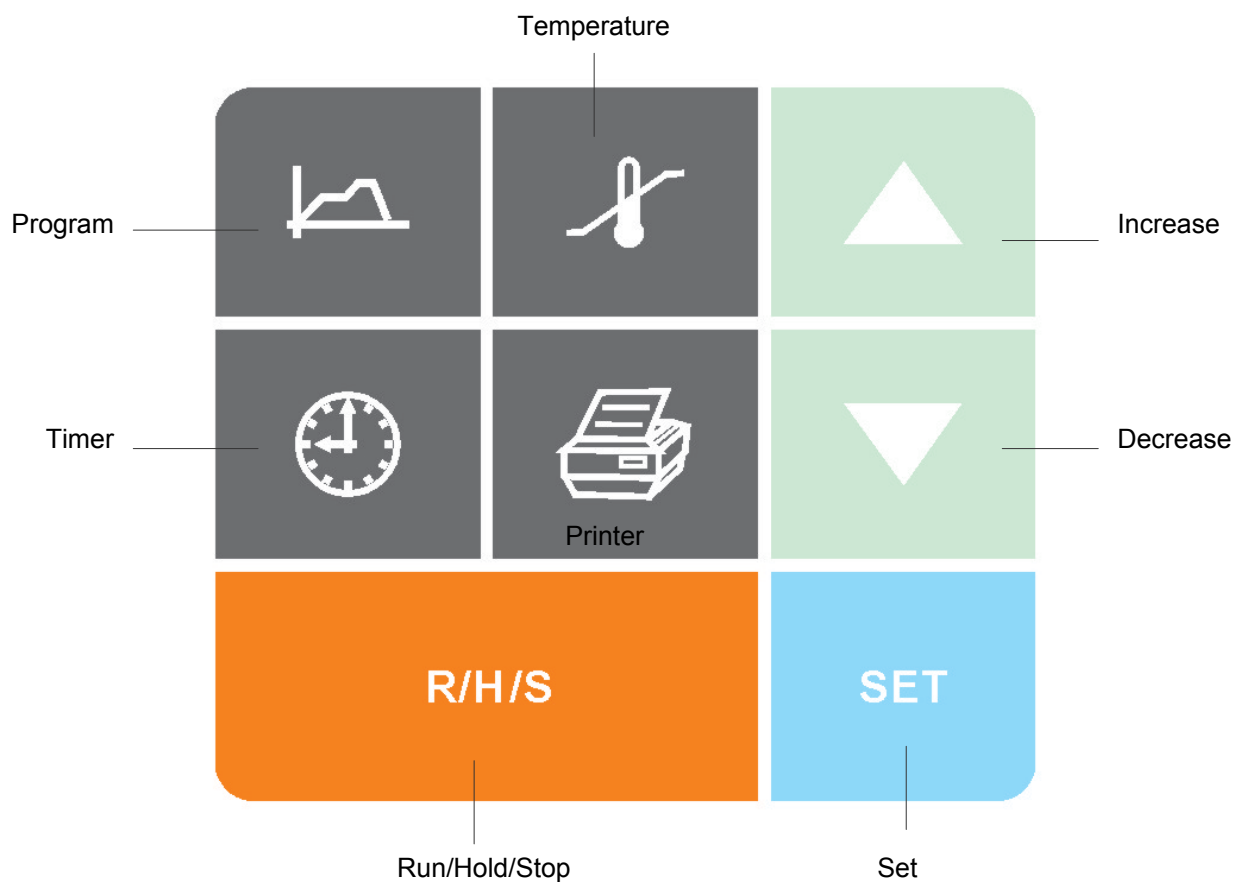


A precise PID microprocessor controller maintains tight temperature control in the range of ambient+5°C to 200°C or 300°C depends on models. An independent safety thermostat protects the incubator and its culturing samples in the event of overheat. An audible and visible alarm is incorporated to warn of overtemperature deviations, and user-friendly sealed LCD control panel allows easy digital setting and fast readout. The ovens can be operated either in Steady Status Running Mode or in Programmable Running Mode. In the programmable running mode, a maximum of 9 programs 18 steps can be edited and stored in the memory. Steps can be set for running multiple "ramp and soak" cycles, or for just running at one temperature for a given time and then switching automatically to another temperature for another given time. Each program can be made to repeat from 1 to 99 times automatically.

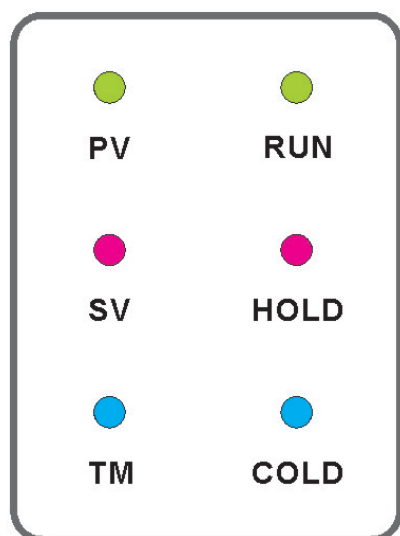


Large, bright LCD control panel shows target temperature value and actual measured temperature value in real time.

Control Panel



Indicator Lights



PV: Present measured temperature value
SV: Setting target temperature value
TM: Timer indicator
RUN: Running indicator
HOLD: Temperature hold indicator
COLD: Refrigerating indicator
(disabled on drying ovens)

Technical Specifications

ZXFD-B Series: Vertical Airflow Forced-air Drying Ovens

Model	ZXFD-B5040	ZXFD-B5090	ZXFD-B5140	ZXFD-B5250	ZXFD-B5430	ZXFD-B5600
Capacity (Volumn)	40L	90L	140L	250L	430L	600L
Temperature Range	ambient+5 to 200°C					
Airflow Type	Vertical					
Temperature Set Resolution	±0.1°C					
Temperature Fluctuation	±1°C					
Temperature Uniformity	±2.5°C@200°C					
Timer (minutes)	1~999					
Controller	P.I.D microprocessor					
Program No.s	9					
Running Modes	Manual, Programmable					
Temperature Sensor	PT100					
Display	LCD					
Functions	Auto-diagnostics, over-and undertemperature alarm, relay for heating cutoff, electric leakage protection, real time clock, auto-and delayed start, weekly programmer, non-volatile memory.					
Platforms included	2					
Interior Size (mm)	345x300x385	400x445x485	500x470x600	600x550x750	700x650x950	800x780x1000
External Size (mm)	535x430x765	590x575x865	690x600x980	790x680x1130	890x780x1330	990x910x1380
Power (W)	700	1100	1600	2100	3100	3700
Electrical Supply	AC220-230V, 50/60Hz					
Weight (Kg)	45	55	80	108	170	210
Qualifications	CE Conformance					
Warranty	1 year or more					

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Technical Specifications

ZXRD-B Series: Horizontal Airflow Forced-air Drying Ovens

Model	ZXRD-B5030	ZXRD-B5055	ZXRD-B5110	ZXRD-B5210	ZRD-A7080	ZRD-A7140	ZRD-A7230
Capacity (Volumn)	30L	55L	110L	210L	80L	140L	230L
Temperature Range	ambient+5 to 200°C				ambient+5 to 300°C		
Airflow Type	Horizontal						
Temperature Set Resolution	±0.1°C						
Temperature Fluctuation	±1°C						
Temperature Uniformity	±2.5°C@ 200°C				±2.5°C@ 300°C		
Timer (minutes)	1~999						
Controller	P.I.D microprocessor						
Program No.s	9						
Running Modes	Manual, Programmable						
Temperature Sensor	PT100						
Display	LCD				LED		
Functions	Auto-diagnostics, over-and undertemperature alarm, relay for over-heating cutoff, electric leakage protection, real time clock, “Ramp & Soak” programmer, non-volatile memory after a power failure.						
Platform included	2						
Interior Chamber Size (mm)	300x300x340	330x360x450	420x400x650	500x550x750	375x375x550	450x450x685	520x550x800
External Size (mm)	490x430x720	520x490x830	610x530x1030	690x680x1130	565x505x930	640x580x1065	710x680x1180
Power (W)	600	800	1300	1700	1500	2100	2700
Electrical Supply	AC220-230V, 50/60Hz						
Qualifications	CE Conformance						
Warranty	1 year or more						
Weight (Kg)	40	50	61	98	58	80	104