

ZHICHENG[®]

Forced-air Drying Ovens

www.zhichenginstrument.com

ISO 9001:2000
ISO13485:2003



- High Performance
- Proven Reliability
- Advanced Control



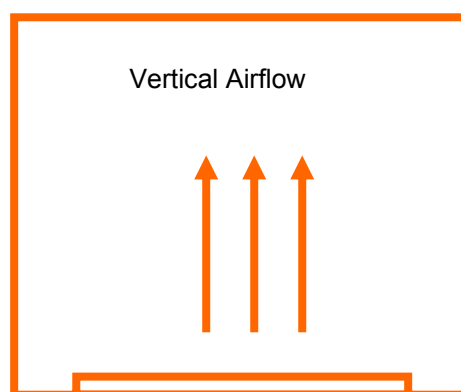
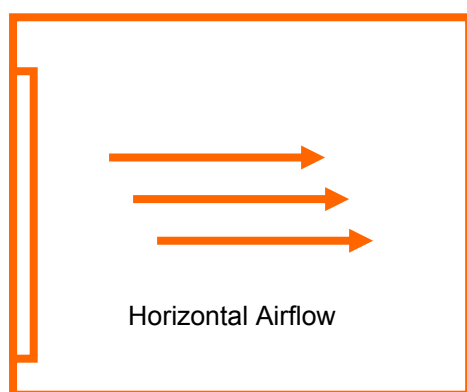
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Description

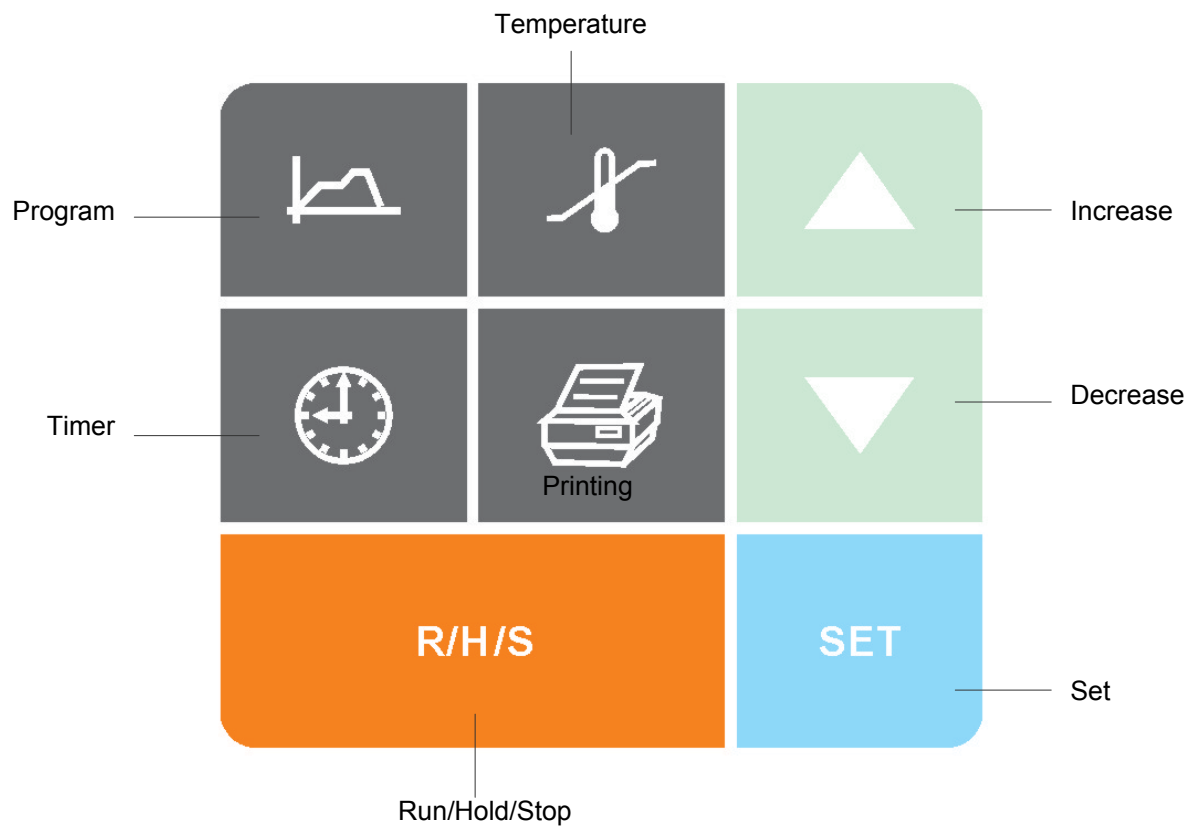
ZXRD/ZXFD-A series forced-air drying ovens manufactured by ZHICHENG[®] are engineered for fast removal of moisture from the samples as quickly as possible. The ovens feature either horizontal or vertical recirculating airflow in the chamber, a high volume fan circulates the air through the perforated, 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:

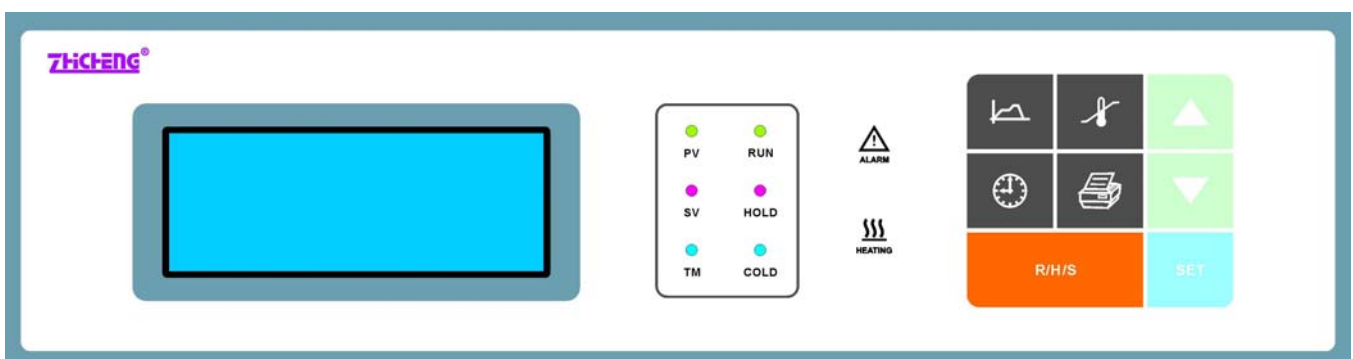
- 1) P.I.D microprocessor offers advance control.
- 2) Forced-air circulation provides excellent temperature uniformity.
- 3) Faster drying processes due to higher airflow rate and exhaust air vents.
- 4) Real-time clock & timer with delayed autostart from 0 to 99.59 hours.
- 5) Programs for running 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



Control Panel



Overview of control panel



Technical Specifications

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

| | | | | | | |
|----------------------------|--|-------------|-------------|--------------|--------------|--------------|
| Model | ZXFD-A5040 | ZXFD-A5090 | ZXFD-A5140 | ZXFD-A5250 | ZXFD-A5430 | ZXFD-A5600 |
| 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 | | | | | |

Technical Specifications

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

| | | | | | | | |
|----------------------------|--|-------------|--------------|--------------|--------------------|--------------|--------------|
| Model | ZXRD-A5030 | ZXRD-A5055 | ZXRD-A5110 | ZXRD-A5210 | ZXRD-7080 | ZXRD-7140 | ZXRD-7230 |
| 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 | | | | | | |
| 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. | | | | | | |
| Platform included | 2 | | | | | | |
| Interior Chamber Size (mm) | 300x300x340 | 330x360x450 | 420x400x650 | 500x550x750 | 375x375x50 | 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 |