ZHICHENG ®

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Forced-Air Drying Ovens

Description:

ZHICHENG forced-air drying ovens are engineered for aging, bonding, curing, drying, baking, sterilizing, heat treating, annealing, stress-relieving or stability test purposes. They are used in a wide variety of applications including electronic component testing, metal treating and finishing, composite curing, drying lab glassware, etc. The ovens were designed to provide accurate temperature uniformity with no temperature overshoot. For this purpose, each of the ovens is microprocessor controlled. The microprocessor achieves precise temperature control and features the advantage of rapid recovery after door opening. As a standard feature, each of the ovens also incorporates a digital electronic timer that has a range of 1 minute to 99 hours/59 minutes timer function. Timer and temperature parameters are displayed in large LED for fast and easy readout.

Specifications:

ZFD Series: Bottom-heated

Model	ZFD5040	ZFD5090	ZFD5140	ZFD5250	ZFD5430	ZFD5625
Capacity	40L	90L	140L	250L	430L	625L
Temperature Range	ambient+5ºC to 200ºC	ambient+5ºC to 200ºC	ambient+5ºC to 200ºC	ambient+5ºC to 200ºC	ambient+5ºC to 200ºC	ambient+5ºC to 200ºC
Temperature Set Division	±0.5ºC	±0.5ºC	±0.5ºC	±0.5ºC	±0.5ºC	±0.5ºC
Temperature Uniformity	±1ºC	±1ºC	±1ºC	±1ºC	±1ºC	±1ºC
Timer (hours)	0-99.59	0-99.59	0-99.59	0-99.59	0-99.59	0-99.59
Platforms	2	2	2	2	2	2
Max. Platforms	2	3	3	4	6	6
Chamber Size (mm)	345x300x385	400x445x485	500x470x600	600x550x750	700x650x950	800x780x1000
External Size (mm)	535x430x765	590x575x865	690x600x980	790x680x1130	890x780x1330	990x910x1380
Weight (Kg)	45	55	80	108	170	210
Approval	CE, ISO	CE, ISO	CE, ISO	CE, ISO	CE, ISO	CE, ISO

ZRD Series: Back-heated

Model	ZRD5030	ZRD5055	ZRD5110	ZRD5210	ZRD7080	ZRD7140	ZRD7230
Capacity	30L	55L	110L	210L	80L	140L	230L
Temperature Range	ambient+5ºC to 200ºC	ambient+5ºC to 200ºC	ambient+5ºC to 200ºC	ambient+5ºC to 200ºC	Up to 300ºC	Up to 300ºC	Up to 300ºC
Temperature Set Division	±0.5ºC	±0.5ºC	±0.5ºC	±0.5ºC	±0.5ºC	±0.5ºC	±0.5ºC
Temperature Uniformity	±1ºC	±1ºC	±1ºC	±1ºC	±1ºC	±1ºC	±1ºC
Timer (hour)	0-99.59	0-99.59	0-99.59	0-99.59	0-99.59	0-99.59	0-99.59
Platform	2	2	2	2	2	2	2
Max.Platform	2	2	3	4	3	3	4
Chamber Size (mm)	300x300x340	330x360x450	420x400x650	500x550x750	375x375x550	450x450x685	520x550x800
External Size (mm)	490x430x720	520x490x830	610x530x1030	690x680x1130	565x505x930	640x580x1065	710x680x1180
Weight (Kg)	40	50	61	98	58	80	104
Approval	CE, ISO	CE, ISO	CE, ISO	CE, ISO	CE, ISO	CE, ISO	CE, ISO

ZRD-A Series
ZFD-A Series
Programmable
Forced-Air Drying Ovens

The drying oven can store 9 programs 18 steps in 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.

Features:

1) P.I.D microprocessor control
2) Fully programmable through the keyboard
3) Forced-air circulation provides excellent temperature uniformity
4) Real-time clock & timer with delayed autostart from 0 to 99.59 hours
5) Audible and visible alarm on overtemperature
6) Password protection on safety operation
7) Non-volatile memory retains preset parameters
8) Large LED for easy digital setting and fast readout
9) Separate safety protections on overheating and to the user

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Specifications:

ZFD-A Series: Bottom-heated

Model	ZFD-A5040	ZFD-A5090	ZFD-A5140	ZFD-A5250	ZFD-A5430	ZFD-A5625
Capacity	40L	90L	140L	250L	430L	625L
Temperature Range	ambient+5ºC to 200ºC	ambient+5ºC to 200ºC	ambient+5ºC to 200ºC	ambient+5ºC to 200ºC	ambient+5ºC to 200ºC	ambient+5ºC to 200ºC
Temperature Set Division	±0.5ºC	±0.5ºC	±0.5ºC	±0.5ºC	±0.5ºC	±0.5ºC
Temperature Uniformity	±1ºC	±1ºC	±1ºC	±1ºC	±1ºC	±1ºC
Heating Time up to 200ºC	30 minutes	30 minutes	30 minutes	30 minutes	30 minutes	30 minutes
Timer (hours)	0-99.59	0-99.59	0-99.59	0-99.59	0-99.59	0-99.59
Platforms	2	2	2	2	2	2
Max. Platforms	2	3	3	4	6	6
Chamber Size (mm)	345x300x385	400x445x485	500x470x600	600x550x750	700x650x950	800x780x1000
External Size (mm)	535x430x765	590x575x865	690x600x980	790x680x1130	890x780x1330	990x910x1380
Weight (Kg)	45	55	80	108	170	210
Approval	CE, ISO	CE, ISO	CE, ISO	CE, ISO	CE, ISO	CE, ISO

ZRD Series: Back-heated

Model	ZRD-A5030	ZRD-A5055	ZRD-A5110	ZRD-A5210	ZRD-A7080	ZRD-A7140	ZRD-A7230
Capacity	30L	55L	110L	210L	80L	140L	230L
Temperature Range	ambient+5ºC to 200ºC	ambient+5ºC to 200ºC	ambient+5ºC to 200ºC	ambient+5ºC to 200ºC	ambient+5ºC to 300ºC	ambient+5ºC to 300ºC	ambient+5ºC to 300ºC
Temperature Set Division	±0.5ºC	±0.5ºC	±0.5ºC	±0.5ºC	±0.5ºC	±0.5ºC	±0.5ºC
Temperature Uniformity	±1ºC	±1ºC	±1ºC	±1ºC	±1ºC	±1ºC	±1ºC
Heating Time up to 200ºC	30 minutes	30 minutes	30 minutes	30 minutes	45 minutes to 300ºC	45 minutes to 300ºC	45 minutes to 300ºC
Timer (hour)	0-99.59	0-99.59	0-99.59	0-99.59	0-99.59	0-99.59	0-99.59
Platforms	2	2	2	2	2	2	2
Max.Platforms	2	2	3	4	3	3	4
Chamber Size (mm)	300x300x340	330x360x450	420x400x650	500x550x750	375x375x550	450x450x685	520x550x800
External Size (mm)	490x430x720	520x490x830	610x530x1030	690x680x1130	565x505x930	640x580x1065	710x680x1180
Weight (Kg)	40	50	61	98	58	80	104
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