

Chamber furnaces for fast firing KC 快烧炉 KC

APPLICATIONS: 用途

- Furnaces with maximum applicable temperature 1300°C a 1400°C, used for development, fast firing and tests of materials, ceramic firing, glass and china ornaments.
- 该箱式炉可应用的温度范围极广能达到 1300°C 到 1400°C，可用于新设备、快烧、陶制品烘烤、玻璃及陶瓷装饰品等材料的测试。

DESCRIPTION OF THE CONSTRUCTION OF THE FURNACE: 主要结构描述

- frame welded from L profiles of construction steel, to which are interpolated the U metal plates
- 箱体由 L 型钢组成，坚固耐用
- hinge of the door placed on the left side, clamps on the right
- high-quality material insulation of the chamber and the door for the temperature 1300°C
- 炉箱与门由高端材料制成，其绝缘温度达到 1300°C
- panel thickness 30-40mm for the temperature 1400°C
- 30-40mm 的镶嵌板温度可达 1400°C
- whole furnace secluded by sedge of mineral grain and lining of the bricks
- 炉壁用矿砂层隔离，并以方砖衬里
- heating secured via heating coils
- 通过加热线圈保障供热
- heating elements placed on the bearing piping inserted into the holders
- 电热装置设在插入固定器的轴承管上,保证连续供热
- heating placed on the sides, inside of the bottom, at the back side and at the door
- 热能装置设在两侧、箱内底部、箱内后部及门旁
- door procurated by safety precaution limit switch
- 炉门由安全警报极限开关控制
- controller CERAMIC allows saving of 20 control programs in the internal controller memory, each program can consist of up to 15 steps, operator may start the select program on a preset date and time thanks to the installed real time clock
- 陶器控制器的内部控制器可以保存 20 条控制程序，每条程序由至少 15 步组成，操作员可以按照安装的实时钟表选择预设的时间和日期。
- thermocouple type S, Solid State Relay (SSR)
- S 型热电偶，固态继电器

Standard equipment of the furnace includes: 标准设备包括

- manual door opening to the left side
- 手动开门--门向下打开
- CERAMIC temperature controller
- CERAMIC 控制器
- stand
- 架子
- heating on sides and in the bottom
- 对加热部分的保护板
- optimum temperature uniformity according to DIN 17052-1
- 最佳温度均匀性符合 DIN 17052-1

Optional accessories to the furnace (for additional charge) 可选附件 (需要另行计费)

- graphic temperature recorder
- 图像温度记录仪
- enhancement of the controller with the RS 232 or RS 485 communication line
- 电脑连接端口
- manually operated inlet of protective atmosphere for one gas
- 整套的气体输入端口
- metal plate on furnace bottom
- 底部的金属保护板
- door opening using pneumatic cylinder
- 门采用气压动力打开
- additional SiC side cover plates
- 硅材料侧保护板

Benefits: 优点

- rust-free design
- 无锈独特设计
- attractive
- 吸引人的设计
- optimal temperature distribution
- 完美的温度分布
- top-quality insulating materials for low power consumption, and enabling rapid achievement of required temperature
- 顶级绝缘材料 (耗电量低, 可在要求的温度下迅速启动)
- thigh accuracy programmable temperature adjustment
- 高精确度的空气调整系统
- solid state relay for fluent and silent operation with minimum disturbance of the surrounding area
- 固态继电器 (运转流畅且无声, 因此对周围设施产生的震动 极小)
- high-quality workmanship, hardware and follow-up service
- 完善的服务系统, 包括加工车间、硬件及安全保险设备

类型	最高温度	内积	外部尺寸 (宽高深)	内部尺寸 (宽高深)	输入	重量	电压
LAC	°C	L	mm	mm	kW	kg	V
KC 20/13	1300	20	760x1250x850	270x270x270	8	160	400
KC 40/13	1300	40	945x1470x1020	350x350x350	9	170	400
KC 80/13	1300	80	985x1540x1070	430x430x430	12	280	400
KC 120/13	1300	120	1080x1480x1120	500x500x500	15	350	400
KC 20/14	1400	20	760x1250x850	270x270x270	9	160	400
KC 40/14	1400	40	945x1470x1020	350x350x350	11	170	400
KC 80/14	1400	80	985x1540x1070	430x430x430	13	280	400
KC 120/14	1400	120	1080x1480x1120	500x500x500	18	350	400



示意图