Hot Air Sterilizing Oven

FCO series drying oven is the most generally used oven in laboratories. With quickly heating up and good temperature uniformity, FCO series drying oven is widely used for drying, baking, soluble wax, solidification and thermal treatment in university, industrial and mining, food processing, biochemistry, agriculture, pharmaceuticals industry, etc.

Features

1. High quality material:

Mirror stainless steel inner chamber and shelf, convenient for cleaning and disinfection, outer plate is coated with Akzo powder, has elegant appearance and good corrosion resistant.

2. Good temperature uniformity:

30L to 125L model are with vertical double ducts, 230L model is with special designed base duct, to ensure all size chamber temperature uniformity within ±2.5%

3. Heat isolated casing and door:

The oven sides, top and door are all filled with heat-insulating material (not including glass), to ensure the operators are not scalded.

4. Low noise:

FCD oven adopt high quality motor and sound insulation material to protect lab envaurment, noise level under 52db

5. Speed adjusting fan (Model L):

Operators can adjust the motor speed to achieve the most ideal experimental results.

6. Independent temperature limiter (Model L)

L type oven add a independent digital limiter, double guarantee the experiment will not fail because of over lemperature

Model	HB-FCO-30D	HB-FCO-45D	HB-FCO-65D	HB-FCO-85D	HB-FCO-125D	HB-FCO-230D	HB-FCO-625D
	HB-FCO-30L	HB-FCO-45L	HB-FCO-65L	HB-FCO-85L	HB-FCO-125L	HB-FCO-230L	HB-FCO-625L
Heating type	forced convention						
Performance — temp. range	RT+10-300°C						
Performance — temp. resolution	0.1°C						
Performance — temp. fluctuation	±1°C						
Performance — temp. accuracy	±2.5%						
Structure — chamber material	stainless steel						
Structure — external material	cold rolled steel, powder coating						
Structure — thermal insulation	aluminium silicate fiber						
Structure — heater	stainless steel heating tube					Ni-Cr Alloy	Stainless Steel
Structure — rated power	0.8 KW	1.2 KW	1.6 KW	1.8 KW	2.3 KW	3.0 KW	5 KW
Structure — air outlet	Inner Diameter 28mm+1,Top						inner 28mm+2
Controller — temp. control	fuzzy PID control						
Controller — temp. display	D: 4 digital LED display L:LCD display						
Controller — timer	0-9999 minutes						
Controller — sensor	pt100						
Safety Device	over-temperature alarm; independent limiter(L model)						
Specification — inner(W+D+H)/mm	310x310x310	350x350x350	400x360x450	450x450x450	500x450x550	600x500x750	660x760x1250
Specification — exterior(W+D+H)/mm	428x500x723	468x540x763	518x550x863	568x640x863	618x640x963	737x700x1266	900x960x1840
Specification — packing(W+D+H)/mm	570x570x820	600x600x880	670x620x960	760x720x1060	900x810x1330	1050x1060x1950	1050x1060x1950
Specification — capacity	30L	45L	65L	85L	125L	230L	635L
Specification — shelf load-bearing	15 Kg						
Specification — shelf number	2(Standard)						
Specification — voltage (V/A)	220/3.6	220/5.5	220/7.2	220/8.2	220/10.5	220/13.6	380/7.6
Specification — N.W/G.W(kg)	33/37	37/43	44/49	50/56	60/66	94/120	113/137
optional configuration	Shelf; RS485(L model); USB(L model); Printer(L model); SMS alarm(L model)						