

Upright Ultra Low Temperature Freezer

Mod. K62 FLEX IN

(604 lt)



MAIN TECHNICAL CHARACTERISTICS

- **CAPACITY:** 604 lt
- **EXTERNAL DIMENSIONS:** cm 106 x 90 x 199 (W x D x H)
- **INTERNAL DIMENSIONS:** cm. 80 x 59 x 128 (W x D x H)
- **WEIGHT:** 320 Kg
- **POWER SUPPLY:** 230/50/1 + G
- **POWER CONSUMPTION:** Max 1100W
- **TEMPERATURE RANGE:** from -40°C to -86°C
- **SHELVES/INNER DOORS:** 4 /4
- **NOISE** < 60 Db
- **CERTIFICATIONS:** The equipment is certified in accordance with:
 - **CEI 66/5 UNI EN 61010-1/A2;**
 - **CEI EN 61326-1**
 - **ISO 9001:2015** certified manufacturer

MECHANICAL STRUCTURE

- **INTERNAL FRAME:** AISI 304 stainless steel (AISI 316 on request) with polished external BA finish for best resistance and cleanliness;
- **EXTERNAL FRAME:** zinc-plated and pre-painted steel sheet (AISI 304 stainless steel on request) satin finish;
- **THERMAL INSULATION:** non-CFC, non-HCFC PU foam, min. thickness 140 mm;
- **SEALING GASKET:** Triple silicone rubber (prevention against air leaks);

- **GASKET HEATING:** frost formation prevention by means of the “hot gas” recirculation coils; high reliability and energy saving (it does not use additional power by electric heaters);
- **COMPENSATION VALVE:** for internal/external pressure compensation, to facilitate door open/close
- **SHELVES:** 4
- **COUNTER DOORS:** 4
- **DOOR:** one wing type, with one-hand minimum force opening system, highly ergonomic to facilitate closing/opening, complete with locking key;
- **COMPENSATION VALVE:** to facilitate the in/out pressure compensation, to ease the opening/closing actions;
- **WHEELS:** 4 bearing wheels for ease of maneuvering of the freezer inside the laboratory;

REFRIGERATION SYSTEM

- **COOLING SYSTEM:** fully sealed cooling circuit with hermetic compressors arranged in cascade, complete with MCB protection and pressure gauge to monitor condensation pressure (MR). HC refrigerant gases.
- **EVAPORATING SYSTEM:** direct expansion stainless steel coils thermally connected to the inner stainless steel shelves surfaces, for a high internal temperature uniformity;
- **CONDENSING SYSTEM:** air-type high-surface finned condenser; the blower is controlled by an inverter to change its speed according to the air temperature at the condenser exit;
- **THERMAL PROBES:** 2 ea. Pt100 probes, one used for thermoregulation, the second for alarm (switched to regulation in case of main probe failure);
- **SAFETY THERMOSTAT:** switches off the appliance from power supply in case of a main regulator breakdown, Temperature exceeds the max safety value (adjustable and pre-set by the user);
- **VOLTAGE STABILIZER:** the unit can be equipped (**optional**) with a voltage stabilizer, to protect the equipment from irregular voltage spikes, for a longer operative life and failure prevention.



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CONTROL SYSTEM FLEX PHARMA CONTROL®

DISPLAY



FUNCTIONS

- Monitor probe and the simultaneous display
- Test circuit and battery recharge
- Warning and recording of network failure
- Electric-key output driver
- Alarms and faults list with circular register
- Data Logger with clock and maintenance supercap
- Anti-ice function with safety thermostat
- Consistency check between the installed probes
- Buzzer with auto-silence and reset function
- Wireless parameters programming
- OEM Cloud supervision
- User supervision through app and web pages
- Weekly graphic report by mail
- Email alert messaging

PANEL DISPLAY

- Dimensions: L182 x H38 x D23mm
- Drilling template: L150 x H31mm
- Low voltage powered by controller board
- Recessed, flush, under glass mounting
- 5 keys capacitive keyboard
- White and blue 7-segments display
- Data Logger (3Mb flash memory)
- Real Time Clock with super capacitor
- Wi-Fi module built-in and alarm buzzer

