

Mini Deep Freezers KBT Deep Freezers TT

Applications

Mini Deep Freeze KBT and Deep Freeze TT are especially designed for decentralized freezing and for the storage of materials directly at the workplace. With quiet refrigeration system (comparable to home freezers, no noise pollution at the workplace) these types are optimized to being placed directly in the laboratory.

The freezers are fitted with hermetically sealed, intrinsically safe, air-cooled refrigeration systems and are maintenance-free. If placed in heavily polluted rooms, the condenser should be cleaned every six months.

Temperature control

Die Types KBT are fitted with an electronic controller with PT 100 sensor and LED temperature display. Control precision +/- 1K.

Die Types TT are fitted with an electronic controller with PT 100 sensor and LED temperature display. Control precision +/- 1K.

Here temperature setting is by a coding switch. The types TT are additionally fitted with the following functions:

Current-independent alarm with optical and audible signal.

Red warning lamp activated if temperature increases and the actual value is 5K higher than the setted target value.

Dry alarm contact for the connection to an external alarm system with a 10mV/K output into which a temperature recorder or other control- or recording device may be plugged.

Casing

Casing is made of galvanized steel sheet and powder coated in white. The side parts of the type KBT are manufactured from stainless steel.

The device is fitted with a blue protective ring around top and bottom to avoid risk of injury by corners and edges.

The 55 litres interior consists of a stainless steel tub without corners and edges and therefore is easy to clean and to disinfect.

The fastener of the lid from all TT types is lockable.

Accessories

Roller frame with four rolls for type TT.

Stainless Steel Shelves TT 55-RN for all 55 litres units (2 shelves can be put next to each other per freezer).

Stainless steel standard containers in different sizes (see price list).

Temperature controller which can be plugged into all TT types.

Technical data

Model	Operating range	Effective space inox, in mm				Electr. Connections			Overall proportions in mm			weight
		litres	width	depth	height	Volt	Hz	Amp.	width	depth	height	
KBT 02-51	-30 to -50°C	2	130	rund	170	230	50	1,5	280	390	400	22 kg
KBT 04-51	-30 to -50°C	4	170	rund	185	230	50	1,8	330	390	440	26 kg
KBT 08-51	-30 to -50°C	8	150	300	200	230	50	2,0	350	430	450	32 kg
TT 40-55	-10 to -40°C	55	560	360	270	230	50	2,5	850	630	900	81 kg
TT 50-55	-30 to -50°C	55	560	360	270	230	50	3,0	850	630	900	83 kg
TT 65-55	-50 to -65°C	55	560	360	270	230	50	5,0	850	630	900	92 kg
TT 80-55	-60 to -80°C	55	560	360	270	230	50	6,5	850	630	900	97 kg
TT 40-100	- 10 to -40°C	100	600	500	320	230	50	5,0	950	750	990	136 kg
TT 80-100	- 70 to -80°C	100	600	500	320	230	50	7,0	950	750	990	160 kg