PHOENIX Instrument
Lab Solutions

Refrigerator and Freezer TIN-FR / FZ

Professional laboratory refrigerators and freezers, with digital display and electronic control, temperature alarms, door sensor and manual/automatic defrost (automatic only on FR series). Smart refrigerated instruments, the internal parameters can be adjusted according to customers demands. The highly efficient compressors contain “environment friendly” ecological gases, free of CFCs and HCFCs, in compliance with the directive 2014/68 / EU.

The internal dynamic ventilation system guarantees the best conditions for the storage of even the most sensitive materials, in compliance with the EN 60068-3 standard.

Three levels of alarms: acoustic, visual and remote with 0 potential contact. The small-sized models (110 liters internal useful volume) are suitable for environments with limited spaces and can be placed under the counter.
All models are equipped with internal Full-LED light and reversible door, blind or glass (only in the FR-G versions) and with key lock. Models with a volume of 260 L are equipped with wheels.



TIN-FZ 110

3 Years Warranty



TIN-FR110G with Glass Door

Technical Data	TIN-FR110 / TIN-FR110G	TIN-FR260 / TIN-FR260G	TIN-FZ110	TIN-FZ260
Volume	110 L	260 L	110 L	260 L
Temperature range	+2.0 to +8.0 °C	+2.0 to +8.0 °C	-25 to -10 °C	-25 to -10 °C
Resolution	0.1 °C	0.1 °C	0.1 °C	0.1 °C
Defrost function	Auto and manual	Auto and manual	manual	manual
Temperature variation in space	1.3 °C / 1.7 °C at 5 °C	1.9 °C / 2.2 °C at 5 °C	2.5 °C at 5 °C	2,1 °C at 5 °C
Gradient	1.3 °C / 1.7 °C at 5 °C	1.5 °C / 2.6 °C at 5 °C	1.5 °C at -20 °C	1.4 °C at -20 °C
Refrigreration	Dynamic (force ventilation)	Dynamic (force ventilation)	Dynamic (force ventilation)	Static (natural convection)
Door	closed / glass	closed / glass	closed	closed
Internal dimension	500 x 570 x 420 mm	500 x 1,290 x 420 mm	500 x 570 x 420 mm	500 x 1,290 x 420 mm
No. of shelves (standard/max)	3/3	6/7	3/3	6/7
Min. space between shelves	13 mm	13 mm	13 mm	13 mm
Max. load shelves	15 kg	15 kg	15 kg	15 kg
Ext. dimension	600 x 805 x 560 mm	600 x 1,525 x 560 mm	600 x 805 x 560 mm	600 x 1,525 x 560 mm
Weight	50 kg	75 kg	50 kg	75 kg
Voltage / Power	220-240 V / 120 W	220-240 V / 120 W	220-240 V / 120 W	220-240 V / 120 W

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