

# FREEZER TS

FRYKA freezers have a usable space of 100 litres and can be used for cooling and freezing in industrial and scientific laboratories. The 100 litre TS freezer is a classic stand alone unit. Whether in laboratories or industry, due to the compact, space-saving design combined with a low noise cooling unit, the TS 100 can be directly used in the workplace.



Model	TS 50-100	TS 80-100
Temperature range [min/max]	-50°C / -10°C	-80°C / -50°C
Control accuracy	+/- 1 K	+/- 1 K
Volume	100 l	100 l
Interior [WxDxH]	45x45x50 cm	45x45x50 cm
External dimensions [WxDxH]	68x73x116 cm	68x73x116 cm
Weight	120 kg	120 kg
Electrical connection	230 V / 50 Hz	230 V / 50 Hz
Ambient temperature [min/max]	+12°C / +30°C	+12°C / +30°C

#### Characteristics:

- Vacuum-Insulation: large interior space with small external dimensions and low power consumption
- All stainless steel casing
- Bushing (diameter 19mm), e.g. for temperature monitoring with external sensors
- Refrigeration unit: low noise, fully hermetically sealed, air-cooled, low maintenance
- TS 80-100: two-stage cascade refrigeration system
- Foamed door with double door seal
- Side air vent, so suitable for installation directly on walls
- Control unit with keyboard and integrated, galvanically isolated, mains-independent alarm (visual and audible signal, showing the maximum temperature during the disturb, battery lasting around 72 hours)
- Potential-free contact for connection to an external alarm system
- 100mV/K-output for connection to a temperature recording system
- RS485 interface
- Lockable door
- With inlaid grilles and 4 shelf rails

#### Accessories:

- TS 100-RS stainless steel shelf
  - For 81 standard cryoboxes (135 x 135 x 52 mm)
  - Nine drawers, each for nine standard cryoboxes
- Inlaid grilles

#### Options:

- Four fixed rollers, two with brakes
- Circulation air fan in the interior for better temperature distribution (not in TS 80-100)
- Your desired option is not listed? Just ask us!