

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