

## UNDERBENCH FREEZER TUS

FRYKA freezers have a usable space of 100 litres and can be used for cooling and freezing in industrial and scientific laboratories. The TUS underbench freezer is a small appliance for cooling and freezing for use in all laboratories, research and industry. Particularly due its compact, space-saving design with low-noise cooling unit, the underbench freezer is suitable for use directly under or even on the desk at work.



Model	TUS 50-100	TUS 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]	95x73x75 cm	95x73x75 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
- TUS 80-100: two-stage cascade refrigeration system
- Foamed door with double door seal
- Air vents at front and right, making it suitable for installation under tables
- 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 four shelf rails
- Stackable unit, max. 2 units

### Accessories:

- TS 100-RS stainless steel shelf
  - For 81 standard cryoboxes (135 x 135 x 52 mm)
  - Nine drawers, each for nine standard cryoboxes
  - Extra gaps for optimum, uniform and rapid cooling of all the refrigerated items
- Inlaid grilles

### Options:

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