

Cold Bath KB and Cooling Thermostat KT

The FRYKA cold bathes KB and cooling thermostats KT are suitable for the cooling and maintaining temperature of liquids.

Features:

- No fixtures like radiator coils etc.
- No ECU above the bath exposed to vapours
- Exchangable circulating pump in the KT-models
- Casing fitted with edge protection
- 4 attachment bolts with M8 inside thread in the corners of the bath to attach tripod bars

The product series FRYKAtherm is available in two different versions:

- Cold bath KB
For existing attachment thermostats.
Bath size from 2 to 18 litres.
Different temperature ranges.
No control unit, cooling works non-stop.
- Cooling thermostat KT
With circulation pump or magnet agitator.
Bath size from 6 to 18 litres.
Temperature control with LEDdisplay.
Different temperature ranges.

Temperature control

Electrical temperature control with LED display and built-in PT100-Sensor. Switches and control unit are fitted into a flap in the front, which can be opened for operation.
Control precision +/-0.5K.

Materials

The casing is made from stainless steel sheet metal. The bath reservoir is made from stainless steel 18/10. The front flap is made from elo-galvanized sheet metal and is powder-coated in white.

Cooling aggregate

The units feature a low-noise, fully hermetically closed and air-cooled compressor. Besides from cleaning of the lamellae condenser no maintenance is necessary.

Agitation

The pump EP20 provides a maximum pressure of 0.15 bar and a circulation power of max. 5 l/min. It is suitable for internal or external agitation. The built-in magnet agitator has a turn switch in the front flap to adjust the circulation speed.

| model | operating range | agitation | bath size in mm | | | | electr. connection | | | overall proportions in mm | | | weight |
|----------|-----------------|-----------------|-----------------|-------|--------|--------|--------------------|----|------|---------------------------|--------|--------|--------|
| | | | litres | width | length | height | volts | hz | amp. | width | length | height | |
| KB 02-40 | +20 to -40°C | --- | 2 | 130 | round | 170 | 230 | 50 | 1,5 | 280 | 390 | 450 | 22 kg |
| KB 04-40 | +20 to -40°C | --- | 4 | 170 | round | 185 | 230 | 50 | 1,8 | 330 | 390 | 450 | 23 kg |
| KB 06-40 | +20 to -40°C | --- | 6 | 150 | 300 | 150 | 230 | 50 | 2,0 | 350 | 430 | 420 | 24 kg |
| KB 08-40 | +20 to -40°C | --- | 8 | 150 | 300 | 200 | 230 | 50 | 2,5 | 350 | 430 | 450 | 26 kg |
| KB 10-40 | +20 to -40°C | --- | 10 | 240 | 300 | 150 | 230 | 50 | 2,8 | 410 | 450 | 460 | 34 kg |
| KB 12-20 | +20 to -40°C | --- | 12 | 240 | 300 | 200 | 230 | 50 | 3,0 | 410 | 450 | 460 | 36 kg |
| KB 12-40 | +20 to -40°C | --- | 12 | 240 | 300 | 200 | 230 | 50 | 3,2 | 410 | 450 | 460 | 36 kg |
| KB 18-40 | +20 to -40°C | --- | 18 | 300 | 327 | 200 | 230 | 50 | 3,6 | 410 | 450 | 460 | 39 kg |
| KT 06-22 | +20 to -20°C | pump EP20 | 6 | 150 | 300 | 150 | 230 | 50 | 2,0 | 350 | 430 | 420 | 26 kg |
| KT 06-42 | +20 to -40°C | pump EP20 | 6 | 150 | 300 | 150 | 230 | 50 | 2,2 | 350 | 430 | 420 | 26 kg |
| KT 06-43 | +20 to -40°C | magnet agitator | 6 | 150 | 300 | 150 | 230 | 50 | 2,2 | 350 | 430 | 420 | 25 kg |
| KT 08-22 | +20 to -20°C | pump EP20 | 8 | 150 | 300 | 200 | 230 | 50 | 2,5 | 350 | 430 | 450 | 28 kg |
| KT 08-42 | +20 to -40°C | pump EP20 | 8 | 600 | 500 | 320 | 230 | 50 | 2,7 | 350 | 430 | 450 | 28 kg |
| KT 10-42 | +20 to -40°C | pump EP20 | 10 | 240 | 300 | 150 | 230 | 50 | 3,0 | 410 | 450 | 460 | 36 kg |
| KT 10-43 | +20 to -40°C | magnet agitator | 10 | 240 | 300 | 150 | 230 | 50 | 3,0 | 410 | 450 | 460 | 35 kg |
| KT 12-22 | +20 to -20°C | pump EP20 | 12 | 240 | 300 | 200 | 230 | 50 | 3,2 | 410 | 450 | 460 | 38 kg |
| KT 12-42 | +20 to -40°C | pump EP20 | 12 | 240 | 300 | 200 | 230 | 50 | 3,4 | 410 | 450 | 460 | 38 kg |
| KT 18-42 | +20 to -40°C | pump EP20 | 18 | 300 | 327 | 200 | 230 | 50 | 3,8 | 410 | 450 | 460 | 41 kg |