

HEATING, COOLING/TEMPERING

A. DRY BLOCK HEATER

a. Dry Block Heater 1, Cat.No., 0004025100



Digital block heater for one aluminum block provides precise temperature control in small vessels. It is used with PCR tubes, PCR strips, Greiner tubes, microplates and cuvettes. The block heater is ideal for melting and boiling point determination, enzyme reactions, incubation and activation of cultures, immunoassays, DNA denaturation, culture media tests, coagulation tests, blood-urea-nitrogen determinations and in situ hybridizations. Stepless adjustable temperature up to 120 °C

Scope of delivery

- Dry Block Heater 1
- Block remove tool
- PT 1000.60 Temperature sensor, stainless steel

Technical Data

- Number of blocks : 1
- Heat output : 165 W
- Heating temperature range : room temp. +5° - 120 °C
- Temperature display : yes
- Adjustment and display resolution : 1 K
- Connection for ext. temperature sensor : CT (DIN12878)
- PT 1000 deviation; DIN EN 60751 Kl. A : $\leq \pm (0.15 + 0.002 \times ITI)$ K
- Temperature stability within the blocks at 37°C * : ± 0.2 °C
- Temperature stability within the blocks at 60°C * : ± 0.4 °C
- Temperature Homogeneity @ 37°C * : 0.2 K
- Temperature Homogeneity @ 60°C * : 0.4 K
- Heatingrate / Heat up time with external sensor * : 5 K/min
- Set-up plate material : Aluminium alloy
- Set-up plate dimensions : 96 x 76 mm
- Fixed safety circuit : 150 °C
- Timer : yes
- Time setting range : 1 - 5999 min
- * Measured in IKA DBH Testingblock : Refer Manual for more details
- Dimensions (W x H x D) : 151 x 73 x 228 mm
- Weight : 1.342 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21

- Voltage : 220 - 240 V
- Frequency : 50/60 Hz
- Power input : 165 W

b. Dry Block Heater 4, Cat.No., 0004025400



Scope of delivery

- Dry Block Heater 4
- Block remove tool
- PT 1000.60 Temperature sensor, stainless steel

Technical Data

- Number of blocks : 4
- Heat output : 412 W
- Heating temperature range : room temp. +5° - 120 °C
- Temperature display : yes
- Adjustment and display resolution : 1 K
- Connection for ext. temperature sensor : CT (DIN12878)
- PT 1000 deviation; DIN EN 60751 Kl. A : $\leq \pm (0.15 + 0.002 \times ITI)$ K
- Temperature stability within the blocks at 37°C * : ± 0.2 °C
- Temperature stability within the blocks at 60°C * : ± 0.4 °C
- Temperature Homogeneity @ 37°C * : 0.3 K
- Temperature Homogeneity @ 60°C * : 0.6 K
- Heatingrate / Heat up time with external sensor * : 4 K/min
- Set-up plate material : Aluminium alloy
- Set-up plate dimensions : 96 x 304 mm
- Fixed safety circuit : 150 °C
- Timer : yes
- Time setting range : 1 - 5999 min
- * Measured in IKA DBH Testingblock : Refer Manual for more details
- Dimensions (W x H x D) : 151 x 73 x 456 mm
- Weight : 2 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21
- Voltage : 220 - 240 V
- Frequency : 50/60 Hz
- Power input : 412 W

B. Heating Baths

a. HBR 4 control, Cat.No., 0020003549



The heating bath is noted for Cylindrical bath shape. Heat transfer media can be low-viscous oil (50 mPas) or water (H₂O) and useful volume: approx. 4 l. Heating bath can be operated with an external temperature sensor for temperature control directly in the medium.

Scope of delivery

- HBR 4 control
- PT 1000.60 Temperature sensor, stainless steel

Technical Data

- Heat output : 1000 W
- Heating temperature range : room temp. - 200 °C
- Heat control : stepless
- Set temperature resolution : ± 1 K
- Controller oscillation (3 l water / 90 °C) : ± 1 K
- Controller oscillation (3l Silicone oil / 50mPas / 150°C) : ± 2 K
- Speed display : LCD
- Speed adjustment : stepless
- Speed range : 150 - 800 rpm
- Motor rating input : 5 W
- Motor rating output : 1 W
- Filling volume max. : 4 l
- Filling point min. : 20 mm
- Material in contact with medium : stainless steel 1.4301
- Connection for ext. temperature sensor : PT1000
- Adjustable safety circuit : 50 - 210 °C
- Class designation acc. DIN 12876 : II
- Outer diameter : 250 mm
- Inner diameter : 200 mm
- Outer height : 250 mm
- Inner height : 160 mm
- Dimensions (W x H x D) : 340 x 250 x 340 mm
- Weight : 5.6 kg
- Permissible ambient temperature max. : 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 20
- RS 232 interface : yes
- Voltage : 230 V

- Frequency : 50/60 Hz
- Power input : 1020 W

b. HB Digital, Cat.No., 0020016334



Compact and ergonomic heating safety bath for all tempering media.
4 l bath volume. Max. media temperature: 180 °C

Scope of delivery

- HB digital
- USB Cable - USB A to Micro-B, 2 m

Technical Data

- Heat output : 1400 W
- Heating temperature range : room temp. - 180 °C
- Heat control : Turning knob
- Set temperature resolution : ± 1 K
- Controller oscillation (3 l water / 90 °C) : ± 1 K
- Absolute deviation/mean (3l water / 90 °C) : ± 2 K
- Controller oscillation (3l Silicone oil / 50mPas / 150°C) : ± 2 K
- Absolute deviation/mean (3 l Silicone oil / 50mPas/ 150°C) : ± 4 K
- Speed display : LCD
- Filling volume max. : 4 l
- Filling point min. : 60 mm
- Material in contact with medium : stainless steel 1.4404
- Fixed safety circuit : 190 °C
- Adjustable safety circuit : 50 - 190 °C
- Class designation acc. DIN 12876 : II
- Outer diameter : 257 mm
- Inner diameter : 225 mm
- Outer height : 190 mm
- Inner height : 130 mm
- Dimensions (W x H x D) : 330 x 190 x 325 mm
- Weight : 3.9 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21
- USB interface : Micro-USB
- Voltage : 220 - 240 V
- Frequency : 50/60 Hz
- Power input : 1450 W

- Power input standby : 3 W

C. Hot Plates

a. C-MAG HP 4, Cat.No., 0003581600



Hotplate made of ceramic glass which offers excellent chemical resistance.
Fixed safety circuit of 550 °C.

Technical Data

- Number of heating points : 1
- Heat output : 250 W
- Heating temperature range : 50 - 500 °C
- Heat control : Turning knob
- Set temperature resolution : ± 10 K
- Volume max. : 5 l
- Heating rate heating plate : 2.5 K/min
- Set-up plate material : ceramic
- Set-up plate dimensions : 100 x 100 mm
- Dimensions (W x H x D) : 150 x 105 x 260 mm
- Weight : 2.44 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 0 %
- Protection class according to DIN EN 60529 : IP 21
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 255 W

b. C-MAG HP 10, Cat.No., 0003582000



Technical Data

- Number of heating points : 1
- Heat output : 1500 W
- Heating temperature range : 50 - 500 °C
- Heat control : Turning knob
- Set temperature resolution : ± 10 K
- Connection for ext. temperature sensor : ETS-D5
- Volume max. : 15 l

- Heating rate heating plate : 5 K/min
- Set-up plate material : ceramic
- Set-up plate dimensions : 260 x 260 mm
- Dimensions (W x H x D) : 300 x 105 x 415 mm
- Weight : 6 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 1505 W

c. C-MAG HP 7, Cat.No., 0003581800



Technical Data

- Number of heating points : 1
- Heat output : 1000 W
- Heating temperature range : 50 - 500 °C
- Heat control : Turning knob
- Connection for ext. temperature sensor : ETS-D5
- Volume max. : 10 l
- Heating rate heating plate : 5 K/min
- Set-up plate material : ceramic
- Set-up plate dimensions : 180 x 180 mm
- Dimensions (W x H x D) : 220 x 105 x 330 mm
- Weight : 4.4 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 1005 W

D. Temperature Control

1. Refrigerated Circulators

a. RC 2 lite, Cat.No., 0025006624



Compact recirculating chiller with powerful 400 W cooling capacity, designed for simple cooling tasks down to -10 °C.

Scope Delivery

- RC 2 lite
- Olive for DN 8 hoses (2 pcs.)

Technical Data

- Appliance type : Recirculating chiller
- Class designation acc. DIN 12876 : I
- Identification according to DIN 12876 : NFL
- Cooling agent : R290
- Cooling agent quantity : 76 g
- Cooling agent pressure max. : 21 bar
- Cooling capacity (@20°C) : 400 W
- Cooling capacity (@10°C) : 350 W
- Cooling capacity (@0°C) : 250 W
- Cooling capacity (@-10°C) : 140 W
- Working temperature : -10 - room temp. °C
- Operating temperature min. : -10 °C
- Operating temperature max. (with external heating) : 70 °C
- Temperature display : yes
- Temperature control : PID
- Working temperature sensor : PT1000
- Working temperature display : LED
- Temperature stability DIN 12876 : ± 0.5 K
- Display resolution : 0.1 K
- Set temperature resolution : ± 0.1 K
- Filling volume : 1 - 3.5 l
- Pump type : Pressure- / suction pump
- Pump pressure max. (0 liters discharge flow) : 0.35 bar
- Pressure pump (suction side) (0 liter flow) : 0.15 bar
- Flow rate max. (0 bar back pressure) : 18 l/min
- Pump connection : M16x1
- Permissible ON time : 100 %
- Noise level : 51 dB(A)
- Dimensions (W x H x D) : 225 x 385 x 430 mm
- Weight : 24.5 kg
- Permissible ambient temperature : 5 - 32 °C
- Permissible relative humidity : 80 %

- Protection class according to DIN EN 60529 : IP 21
- RS 232 interface : yes
- USB interface : USB-B
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 250 W

b. RC 2 basic Cat.No., 0004171000



High-efficiency circulating chiller with powerful 400 W cooling capacity. Designed for cooling applications up to -20 °C.

Scope Delivery

- RC 2 basic
- Olive for DN 8 hoses (2 pcs.)
- Olive for DN 12 hoses (2 pcs.)
- USB Cable - USB A to Micro-B, 2 m

Technical Data

- Appliance type : Recirculating chiller
- Cooling agent : R134a
- Cooling agent quantity : 230 g
- Cooling agent pressure max. : 20 bar
- Cooling capacity (@20°C) : 400 W
- Cooling capacity (@10°C) : 370 W
- Cooling capacity (@0°C) : 320 W
- Cooling capacity (@-10°C) : 240 W
- Cooling capacity (@-20°C) : 130 W
- Working temperature : -20 - room temp. °C
- Operating temperature min. : -20 °C
- Operating temperature max. (with external heating) : 80 °C
- Temperature display : yes
- Temperature control : PID
- Working temperature sensor : PT100
- Working temperature display : LED
- Temperature stability DIN 12876 : ± 0.1 K
- Display resolution : 0.1 K
- Warning function optical : yes
- Warning function acoustic : yes
- Warning function excess temperature : yes
- Sub-level protection : yes
- Filling volume : 1.4 – 4.0 l
- Pump type : Pressure- / suction pump

- Pump capacity adjustable : yes
- Pump pressure max. (0 liters discharge flow) : 0.3 bar
- Pressure pump (suction side) (0 liter flow) : 0.2 bar
- Flow rate max. (0 bar back pressure) : 18 l/min
- Calibration option : yes
- Technical data complies with the standard : DIN 12876
- Permissible ON time : 100 %
- Noise level : 52 dB(A)
- Dimensions (W x H x D) : 220 x 475 x 525 mm
- Weight : 31.26 kg
- Permissible ambient temperature : 5 - 32 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21
- RS 232 interface : yes
- USB interface : Micro-USB
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 300 W

c. RC 5 control Cat.No., 0004183000



Powerful recirculating chiller, designed for external cooling applications up to -30°C. Due to the PT100 temperature sensor, which is part of the delivery and its excellent temperature stability of about $\pm 0,1$ K, the RC 5 can handle even sophisticated applications.

Scope Delivery

- RC 5 control
- PT 100.30 Temperature sensor
- Hose olive NW 8 (2 pcs.)
- Hose olive NW 12 (2 pcs.)
- WH10 WiCo Holder
- OS 1.0 power supply (for WiCo)
- USB Cable - USB A to Micro-B, 2 m
- USB 2.0 cable Micro A – Micro B

Technical Data

- Appliance type : Recirculating chiller
- Cooling agent : R290
- Cooling agent quantity : 90 g

- Cooling agent pressure max. : 21 bar
- Cooling capacity (@20°C) : 1400 W
- Cooling capacity (@10°C) : 1200 W
- Cooling capacity (@0°C) : 950 W
- Cooling capacity (@-10°C) : 650 W
- Cooling capacity (@-20°C) : 450 W
- Cooling capacity (@-30°C) : 200 W
- Working temperature : -30 - room temp. °C
- Operating temperature min. : -30 °C
- Operating temperature max. (with external heating) : 80 °C
- Temperature display : yes
- Temperature control : PID
- Working temperature sensor : PT100
- Working temperature display: TFT
- Temperature stability DIN 12876 : ± 0.1 K
- Connection for ext. temperature sensor : PT 100
- Display resolution : 0.1 K
- Display for operation with ext. sensor : yes
- Warning function optical : yes
- Warning function acoustic : yes
- Warning function excess temperature : yes
- Sub-level protection : yes
- Filling volume : 5.0 – 7.0 l
- Pump type : Pressure- / suction pump
- Pump capacity adjustable : yes
- Pump pressure max. (0 liters discharge flow) : 0.61 bar
- Pressure pump (suction side) (0 liter flow) : 0.45 bar
- Flow rate max. (0 bar back pressure) : 31 l/min
- Pump connection : M16x1
- Calibration option : yes
- Technical data complies with the standard : DIN 12876
- Permissible ON time : 100 %
- Multi-Interface : yes
- Alarm output (potential-free contact) max. : 30 V AC/DC
- Alarm output (potential-free contact) max. : 1 A
- Solenoid valve output : 24 VDC
- Solenoid valve output max. : 0.8 A
- Standby input : 5 VDC
- Noise level : 61 dB(A)
- Dimensions (W x H x D) : 310 x 546 x 490 mm
- Weight : 37.5 kg
- Permissible ambient temperature : 5 - 32 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21

- RS 232 interface : yes
- USB interface : Micro-USB
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 1100 W

2. Refrigerated and Heating Circulators

a. HRC 2 lite, Cat.No., 0020104311



Compact refrigerated and heating circulator with powerful 400 W cooling and 1000 W heating capacity, designed for simple tempering tasks down from -10 to 100 °C. Its large working volume of 2.5 liters enables a high number of external applications without the need of refilling thermal fluids.

Scope of delivery

- HRC 2 lite
- Olive for DN 8 hoses (2 pcs.) (2 pcs.)
- USB A-B Cable

Technical Data

- Appliance type : Refrigerated and heating circulator
- Class designation acc. DIN 12876 : II
- Identification according to DIN 12876 : FL
- Cooling agent : R290
- Cooling agent quantity : 79 g
- Cooling agent pressure max. : 21 bar
- Heat output : 1000 W
- Cooling capacity (@20°C) : 400 W
- Cooling capacity (@10°C) : 350 W
- Cooling capacity (@0°C) : 250 W
- Cooling capacity (@-10°C) : 100 W
- Working temperature : -10 - 100 °C
- Operating temperature min. : -10 °C
- Temperature display : yes
- Temperature stability DIN 12876 (@+70°C) : ± 0.05 K
- Temperature stability DIN 12876 (@-10°C) : ± 0.1 K
- Temperature control : PID
- Working temperature sensor : PT1000
- Safety temperature sensor : PT1000
- Working temperature display : LED
- Display resolution : 0.1 K

- Set temperature resolution : ± 0.1 K
- Warning function optical : yes
- Warning function acoustic : yes
- Warning function excess temperature : yes
- Adjustable safety circuit : 0 - 110 °C
- Filling volume : 1 - 3.5 l
- Pump type : Pressure- / suction pump
- Pump pressure max. (0 liters discharge flow) : 0.35 bar
- Pressure pump (suction side) (0 liter flow) : 0.15 bar
- Flow rate max. (0 bar back pressure) : 18 l/min
- Pump connection : M16x1
- Calibration option : yes
- Technical data complies with the standard : DIN 12876
- Permissible ON time : 100 %
- Noise level : 51 dB(A)
- Dimensions (W x H x D) : 225 x 385 x 430 mm
- Weight : 24.9 kg
- Permissible ambient temperature : 5 - 32 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21
- RS 232 interface : yes
- USB interface : USB-B
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 1250 W

b. HRC 2 basic, Cat.No., 0025003742



The compact refrigerated and heating circulator HRC 2 basic is renowned for its high energy efficiency, a working temperature powerful infinitely range from -20°C to 100°C and a variable pressure and suction pump. Using the external temperature control circuit is possible for up to 2.5 l thermofluid without a refill.

Scope of delivery

- HRC 2 basic
- Hose olive NW 8 (2 pcs.)
- Hose olive NW 12 (2 pcs.)
- Screwdriver (use for safety circuit)
- USB Cable - USB A to Micro-B, 2 m

Technical Data

- Appliance type : Circulation thermostat
- Class designation acc. DIN 12876 : III
- Identification according to DIN 12876 : FL
- Cooling agent : R134a
- Cooling agent quantity : 230 g
- Cooling agent pressure max. : 20 bar
- Heat output : 1500 W
- Cooling capacity (@20°C) : 400 W
- Cooling capacity (@10°C) : 370 W
- Cooling capacity (@0°C) : 320 W
- Cooling capacity (@-10°C) : 240 W
- Cooling capacity (@-20°C) : 130 W
- Working temperature : -20 - 100 °C
- Operating temperature min. : -20 °C
- Temperature display : yes
- Temperature stability DIN 12876 (@+70°C) : ± 0.1 K
- Temperature stability DIN 12876 (@-10°C) : ± 0.1 K
- Temperature control : PID
- Working temperature sensor : PT100
- Safety temperature sensor : PT1000
- Working temperature display : LED
- Safety temperature display : LED
- Temperature stability DIN 12876 : ± 0.1 K
- Display resolution : 0.1 K
- Warning function optical : yes
- Warning function acoustic : yes
- Warning function excess temperature : yes
- Adjustable safety circuit : 0 - 110 °C
- Sub-level protection : yes
- Over-level protection : yes
- Filling volume : 1.4 – 4.0 l
- Pump type : Pressure- / suction pump
- Pump capacity adjustable : yes
- Pump pressure max. (0 liters discharge flow) : 0.5 bar
- Pressure pump (suction side) (0 liter flow) : 0.25 bar
- Flow rate max. (0 bar back pressure) : 21 l/min
- Pump connection : M16x1
- Calibration option : yes
- Technical data complies with the standard : DIN 12876
- Permissible ON time : 100 %
- Noise level : 52 dB(A)
- Dimensions (W x H x D) : 220 x 475 x 525 mm
- Weight : 32.8 kg

- Permissible ambient temperature : 5 - 32 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21
- RS 232 interface : yes
- USB interface : Micro USB-B
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 1800 W

c. CBC 5 Control, Cat.No., 0004167000



The CBC 5 control is a powerful refrigerated and heating circulator with strong heating and cooling power for an operating temperature range of - 25 °C to + 200 °C. It is best suited for external applications thanks to its proven pressure and suction pump.

Scope of delivery

- CBC 5 control
- Hose olive NW 12 (2 pcs.)
- Screwdriver
- OS 1.0 power supply (for WiCo)
- USB Cable - USB A to Micro-B, 2 m
- USB 2.0 cable Micro A – Micro B
- WH10 WiCo Holder

Technical Data

- Appliance type : Circulation thermostat
- Class designation acc. DIN 12876 : III
- Identification according to DIN 12876 : FL
- Cooling agent : R134a
- Cooling agent quantity : 250 g
- Cooling agent pressure max. : 20 bar
- Heat output : 2500 W
- Cooling capacity (@20°C) : 350 W
- Cooling capacity (@10°C) : 320 W
- Cooling capacity (@0°C) : 270 W
- Cooling capacity (@-10°C) : 190 W
- Cooling capacity (@-20°C) : 80 W

- Cooling capacity (@ -20°C; 3200 rpm) : 130 W
- Cooling capacity (@ 20°C; 3200 rpm) : 400 W
- Working temperature : -25 - 200 °C
- Operating temperature min. : -25 °C
- Temperature display : yes
- Temperature stability DIN 12876 (@+70°C) : ±0.01 K
- Temperature control : PID
- Working temperature sensor : PT100
- Safety temperature sensor : PT1000
- Working temperature display : TFT
- Safety temperature display : TFT
- Connection for ext. temperature sensor : PT 100
- Display resolution : 0.1 K
- Display for operation with ext. sensor : yes
- Warning function optical : yes
- Warning function acoustic : yes
- Warning function excess temperature : yes
- Warning function insufficient temperature : yes
- Adjustable safety circuit : 0 - 260 °C
- Sub-level protection : yes
- Filling volume : 5 – 7 l
- Pump type : Pressure- / suction pump
- Pump capacity adjustable : yes
- Pump pressure max. (0 liters discharge flow) : 0.61 bar
- Pressure pump (suction side) (0 liter flow) : 0.45 bar
- Flow rate max. (0 bar back pressure) : 31 l/min
- Pump connection : M16x1
- Bath depth min. : 150 mm
- Height including bath : 172 mm
- Width bath opening : 82 mm
- Calibration option : yes
- Technical data complies with the standard : DIN 12876
- Multi-Interface : yes
- Alarm output (potential-free contact) max. : 30 V AC/DC
- Alarm output (potential-free contact) max. : 1 A
- Solenoid valve output : 24 VDC
- Solenoid valve output max. : 0.8 A
- Standby input : 5 VDC
- Noise level : 55 dB(A)
- Dimensions (W x H x D) : 275 x 690 x 490 mm
- Weight : 46.5 kg
- Permissible ambient temperature : 5 - 32 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21

- RS 232 interface : yes
- USB interface : Micro USB-B
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 3000 W

3. Heating Circulators

a. HBC 5 basic, Cat.No., 0004125000



The HBC 5 basic is a heated bath circulator which heats up to a maximum temperature of 250 °C. It has a high quality stainless steel bath with a volume of 5 – 7 liters.

Scope of delivery

- HBC 5 basic
- Hose olive NW 12 (2 pcs.)
- CC1
- Screwdriver (use for safety circuit)
- USB Cable - USB A to Micro-B, 2 m

Technical Data

- Appliance type : Circulation thermostat
- Class designation acc. DIN 12876 : III
- Identification according to DIN 12876 : FL
- Heat output : 2500 W
- Working temperature : room temp. +10K @1000rpm - 250 °C
- Operating temperature min. (with external cooling) : -20 °C
- Temperature display : yes
- Temperature control : PID
- Working temperature sensor PT 100
- Safety temperature sensor : PT1000
- Working temperature display : LED
- Safety temperature display : LED
- Temperature stability DIN 12876 : ± 0.02 K
- Connection for ext. temperature sensor : PT 100
- Display resolution : 0.1 K
- Display for operation with ext. sensor : yes
- Set temperature resolution : ± 0.1 K
- Warning function optical : yes
- Warning function acoustic : yes
- Warning function excess temperature : yes
- Adjustable safety circuit : 0 - 260 °C

- Sub-level protection : yes
- Over-level protection : yes
- Filling volume : 5 - 7 l
- Pump type : Pressure- / suction pump
- Pump capacity adjustable : yes
- Pump pressure max. (0 liters discharge flow) : 0.61 bar
- Pressure pump (suction side) (0 liter flow) : 0.45 bar
- Flow rate max. (0 bar back pressure) : 31 l/min
- Pump connection : M16x1
- Cooling coil connection : NW 8
- Bath depth min. : 150 mm
- Width bath opening : 172 mm
- Depth bath opening : 82 mm
- Calibration option : yes
- Technical data complies with the standard : DIN 12876
- Permissible ON time : 100 %
- Dimensions (W x H x D) : 275 x 406 x 500 mm
- Weight : 17 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21
- RS 232 interface : yes
- USB interface : Micro-USB
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 2650 W

b. HBC 10 control, Cat.No., 0004137000



The HBC 10 control heated bath circulator heats up to a max. temperature of 250 °C. It has a high quality stainless steel bath with a volume of 7.5 – 10.5 liters.

Scope of delivery

- HBC 10 control
- Hose olive NW 12 (2 pcs.)
- CC1
- Screwdriver (use for safety circuit)
- OS 1.0 power supply (for WiCo)

- USB Cable - USB A to Micro-B, 2 m
- USB 2.0 cable Micro A – Micro B

Technical Data

- Appliance type : Circulation thermostat
- Class designation acc. DIN 12876 : III
- Identification according to DIN 12876 : FL
- Heat output : 2500 W
- Working temperature : room temp. +10K @1000rpm - 250 °C
- Operating temperature min. (with external cooling) : -20 °C
- Temperature display : yes
- Temperature control : PID
- Working temperature sensor PT 100
- Safety temperature sensor : PT1000
- Working temperature display : LED
- Safety temperature display : LED
- Temperature stability DIN 12876 : ± 0.01 K
- Connection for ext. temperature sensor : PT 100
- Display resolution : 0.01 K
- Display for operation with ext. sensor : yes
- Set temperature resolution : ± 0.1 K
- Warning function optical : yes
- Warning function acoustic : yes
- Warning function excess temperature : yes
- Adjustable safety circuit : 0 - 260 °C
- Sub-level protection : yes
- Over-level protection : yes
- Filling volume : 8 - 11 l
- Pump type : Pressure- / suction pump
- Pump capacity adjustable : yes
- Pump pressure max. (0 liters discharge flow) : 0.61 bar
- Pressure pump (suction side) (0 liter flow) : 0.45 bar
- Flow rate max. (0 bar back pressure) : 31 l/min
- Pump connection : M16x1
- Cooling coil connection : NW 8
- Bath depth min. : 150 mm
- Width bath opening : 172 mm
- Depth bath opening : 82 mm
- Calibration option : yes
- Technical data complies with the standard : DIN 12876
- Permissible ON time : 100 %
- Multi-Interface : yes
- Alarm output (potential-free contact) max. : 30 V AC/DC
- Alarm output (potential-free contact) max. : 1 A
- Solenoid valve output : 24 VDC

- Solenoid valve output max. : 0.8 A
- Standby input : 5 VDC
- Dimensions (W x H x D) : 275 x 456 x 506 mm
- Weight : 18.3 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21
- RS 232 interface : yes
- USB interface : Micro-USB
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 2650 W

4. Heating Bath Circulators

a. ICC 100 lite eco 8, Cat.No., 0010013176



The compact immersion circulators of the lite series are powerful and of high quality, with a focus on essential basic functions, excellent performance and efficient operation. ICC 100 lite is suitable for tempering liquids up to 100 °C and internal circulation.

Scope Delivery

- ICC 100 lite Compact immersion circulator
- IB 8 eco Plastic bath (size S)
- BS.ICC lite Bath bridge, small

Technical Data

- Appliance type : Compact immersion circulators
- Class designation acc. DIN 12876 : III
- Identification according to DIN 12876 : FL
- Heat output : 2000 W
- Working temperature : room temp. - 100 °C
- Operating temperature min. (with external cooling) : -25 °C
- Temperature display : yes
- Temperature control : PID
- Working temperature sensor : PT1000
- Safety temperature sensor : PT1000
- Working temperature display : LED
- Safety temperature display : LED
- Temperature stability DIN 12876 : ± 0.05 K
- Display resolution : 0.1 K
- Set temperature resolution : ± 0.1 K

- Warning function optical : yes
- Warning function acoustic : yes
- Adjustable safety circuit : 0 - 110 °C
- Sub-level protection : yes
- Bath depth min. : 150 mm
- Calibration option : yes
- Appliance fastener : clamp
- Technical data complies with the standard : DIN 12876
- Permissible ON time : 100 %
- Dimensions (W x H x D) : 135 x 303 x 180 mm
- Weight : 4.2 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21
- RS 232 interface : yes
- USB interface : USB-B
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 2100 W

b. ICC 150 lite pro 9, Cat.No., 0010013199



ICC 150 lite is suitable for tempering liquids up to 150 °C. The integrated pressure/ suction pump allows ICC 150 lite to be used for internal and external applications.

Scope Delivery

- ICC 150 lite Compact immersion circulator
- IB 9 pro Stainless steel bath (size S)
- BS.ICC lite Bath bridge, small

Technical Data

- Appliance type : Compact immersion circulators
- Class designation acc. DIN 12876 : III
- Identification according to DIN 12876 : FL
- Heat output : 2000 W
- Working temperature : room temp. - 100 °C
- Operating temperature min. (with external cooling) : -25 °C
- Temperature display : yes
- Temperature control : PID

- Working temperature sensor : PT1000
- Safety temperature sensor : PT1000
- Working temperature display : LED
- Safety temperature display : LED
- Temperature stability DIN 12876 : ± 0.05 K
- Display resolution : 0.1 K
- Set temperature resolution : ± 0.1 K
- Warning function optical : yes
- Warning function acoustic : yes
- Adjustable safety circuit : 0 - 160 °C
- Sub-level protection : yes
- Over-level protection : yes
- Pump type : Pressure- / suction pump
- Pump pressure max. (0 liters discharge flow) : 0.3 bar
- Pressure pump (suction side) (0 liter flow) : 0.1 bar
- Flow rate max. (0 bar back pressure) 15 l/min
- Bath depth min. : 150 mm
- Appliance fastener : clamp
- Technical data complies with the standard : DIN 12876
- Permissible ON time : 100 %
- Dimensions (W x H x D) : 135 x 303 x 180 mm
- Weight : 4.7 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21
- RS 232 interface : yes
- USB interface : USB-B
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 2100 W

c. ICC basic pro 9, Cat.No., 0008035100



Scope Delivery

- ICC basic pro 9
- ICC basic
- IB 9 pro

- BS.ICC Small bridge

Technical Data

- Appliance type : Compact immersion circulators
- Class designation acc. DIN 12876 : III
- Identification according to DIN 12876 : FL
- Heat output : 2000 W
- Working temperature : room temp. +10K @1000rpm °C
- Operating temperature min. (with external cooling) : -20 °C
- Temperature display : yes
- Temperature control : PID
- Working temperature sensor : PT1000
- Safety temperature sensor : PT1000
- Working temperature display : LED
- Safety temperature display : LED
- Temperature stability DIN 12876 : ± 0.02 K
- Display resolution : 0.1 K
- Set temperature resolution : ± 0.1 K
- Display for operation with ext. sensor : yes
- Warning function optical : yes
- Warning function acoustic : yes
- Warning function excess temperature : yes
- Adjustable safety circuit : 0 - 160 °C
- Sub-level protection : yes
- Over-level protection : yes
- Pump type : Pressure- / suction pump
- Pump capacity adjustable : yes
- Pump pressure max. (0 liters discharge flow) : 0.3 bar
- Pressure pump (suction side) (0 liter flow) : 0.2 bar
- Flow rate max. (0 bar back pressure) 18 l/min
- Bath depth min. : 150 mm
- Calibration option : yes
- Appliance fastener : clamp
- Technical data complies with the standard : DIN 12876
- Permissible ON time : 100 %
- Dimensions (W x H x D) : 145 x 200 x 340 mm
- Weight : 14 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21
- RS 232 interface : yes
- USB interface : Micro USB-B
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 2100 W

5. Combined Heating Bath Circulators

a. ICC 150 lite pro 9 c, Cat.No., 0010013233



ICC 150 lite is suitable for tempering liquids up to 150 °C. The integrated pressure/suction pump allows ICC 150 lite to be used for internal and external applications.

Package includes:

ICC 150 lite Compact immersion circulator

IB 9 pro Stainless steel bath (size S)

BS.ICC lite Bath bridge, small

CS.ICC Cover, small

PCS.ICC Pump connection set

Technical Data

- Appliance type : Compact immersion circulators
- Class designation acc. DIN 12876 : III
- Identification according to DIN 12876 : FL
- Heat output : 2000 W
- Working temperature : room temp. - 150 °C
- Operating temperature min. (with external cooling) : -25 °C
- Temperature display : yes
- Temperature control : PID
- Working temperature sensor : PT1000
- Safety temperature sensor : PT1000
- Working temperature display : LED
- Safety temperature display : LED
- Temperature stability DIN 12876 : ± 0.05 K
- Display resolution : 0.1 K
- Set temperature resolution : ± 0.1 K
- Warning function optical : yes
- Warning function acoustic : yes
- Adjustable safety circuit : 0 - 160 °C
- Sub-level protection : yes
- Over-level protection : yes
- Pump type : Pressure- / suction pump
- Pump pressure max. (0 liters discharge flow) : 0.3 bar
- Pressure pump (suction side) (0 liter flow) : 0.1 bar

- Flow rate max. (0 bar back pressure) : 15 l/min
- Bath depth min. : 150 mm
- Appliance fastener : clamp
- Technical data complies with the standard : DIN 12876
- Permissible ON time : 100 %
- Dimensions (W x H x D) : 135 x 303 x 180 mm
- Weight : 4.7 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21
- RS 232 interface : yes
- USB interface : USB-B
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 2100 W

b. ICC basic pro 12 c, Cat.No., 0010000416



Package includes

ICC basic compact immersion circulator
 IB 12 pro stainless steel bath (size M)
 BL.ICC large bridge
 CM.ICC medium cover
 PCS.ICC pump connection set
 CC2 cooling coil

Technical Data

- Appliance type : Compact immersion circulators
- Class designation acc. DIN 12876 : III
- Identification according to DIN 12876 : FL
- Heat output : 2000 W
- Working temperature : room temp. +10K @1000rpm °C - 150 °C
- Operating temperature min. (with external cooling) : -20 °C
- Temperature display : yes
- Temperature control : PID
- Working temperature sensor : PT100
- Safety temperature sensor : PT1000
- Working temperature display : LED
- Safety temperature display : LED

- Temperature stability DIN 12876 : ± 0.02 K
- Display resolution : 0.1 K
- Display for operation with ext. sensor : yes
- Set temperature resolution : ± 0.1 K
- Warning function optical : yes
- Warning function acoustic : yes
- Warning function excess temperature : yes
- Adjustable safety circuit : 0 - 160 °C
- Sub-level protection : yes
- Over-level protection : yes
- Pump type : Pressure- / suction pump
- Pump capacity adjustable : yes
- Pump pressure max. (0 liters discharge flow) : 0.3 bar
- Pressure pump (suction side) (0 liter flow) : 0.2 bar
- Flow rate max. (0 bar back pressure) : 18 l/min
- Bath depth min. : 150 mm
- Calibration option : yes
- Appliance fastener : clamp
- Technical data complies with the standard : DIN 12876
- Permissible ON time : 100 %
- Dimensions (W x H x D) : 145 x 340 x 200 mm
- Weight : 16.36 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21
- RS 232 interface : yes
- USB interface : Micro USB
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 2100 W

6. Heating Bath Circulators With Magnetic Stirrer

a. ICC basic IB R RO 15 eco, Cat.No., 0010002471



Circulating bath with 15 stirring positions for glass beakers up to 250 ml.
 Circulating bath with 15 stirring positions for glass beakers up to 250 ml. Max.
 temperature in the plastic bath ("eco" series): 80°C (water only)

Package includes

ICC basic

IB R RO 15 eco

RO 15 magnetic stirrer

BL.ICC large bridge

Technical Data

- Appliance type : Compact immersion circulators
- Class designation acc. DIN 12876 : III
- Identification according to DIN 12876 : FL
- Heat output : 2000 W
- Working temperature : room temp. +10K @1000rpm - 80 °C
- Operating temperature min. (with external cooling) : -20 °C
- Temperature display : yes
- Temperature control : PID
- Working temperature sensor : PT 100
- Safety temperature sensor : PT1000
- Working temperature display : LED
- Safety temperature display : LED
- Temperature stability DIN 12876 : ± 0.02 K
- Display resolution : 0.1 K
- Display for operation with ext. sensor : yes
- Set temperature resolution : ± 0.1 K
- Warning function optical : yes
- Warning function acoustic : yes
- Warning function excess temperature : yes
- Adjustable safety circuit : 0 - 160 °C
- Sub-level protection : yes
- Over-level protection : yes
- Pump type : Pressure- / suction pump
- Pump capacity adjustable : yes
- Pump pressure max. (0 liters discharge flow) : 0.3 bar
- Pressure pump (suction side) (0 liter flow) : 0.2 bar
- Flow rate max. (0 bar back pressure) : 18 l/min
- Bath depth min. : 150 mm
- Width including bath : 333 mm
- Depth including bath : 700 mm
- Height including bath : 362 mm
- Width bath opening : 317 mm
- Depth bath opening : 98 mm
- Calibration option : yes
- Appliance fastener : clamp
- Technical data complies with the standard : DIN 12876
- Permissible ON time : 100 %
- Dimensions (W x H x D) : 145 x 340 x 200 mm

- Weight : 22.23 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21
- RS 232 interface : yes
- USB interface : Micro-USB
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 2100 W

b. ICC control IB R RO 15 pro, Cat.No., 0010006736



ICC basic IB R RO 15 pro is an integrated temperature control and mixing system with 15 stirring positions for glass vessels up to 250 ml. Max. temperature: 130 °C.

Package includes

ICC basic
BL.ICC Large bridge
IB R RO 15 pro
RO 15
PDS.IB.R.RO

Technical Data

- Appliance type : Compact immersion circulators
- Class designation acc. DIN 12876 : III
- Identification according to DIN 12876 : FL
- Heat output : 2000 W
- Working temperature : room temp. +10K @1000rpm – 150 °C
- Operating temperature min. (with external cooling) : -20 °C
- Temperature display : yes
- Temperature control : PID
- Working temperature sensor : PT 100
- Safety temperature sensor : PT1000
- Working temperature display : LED
- Safety temperature display : LED
- Temperature stability DIN 12876 : ± 0.02 K
- Display resolution : 0.1 K
- Display for operation with ext. sensor : yes
- Set temperature resolution : ± 0.1 K
- Warning function optical : yes

- Warning function acoustic : yes
- Warning function excess temperature : yes
- Adjustable safety circuit : 0 - 160 °C
- Sub-level protection : yes
- Over-level protection : yes
- Pump type : Pressure- / suction pump
- Pump capacity adjustable : yes
- Pump pressure max. (0 liters discharge flow) : 0.3 bar
- Pressure pump (suction side) (0 liter flow) : 0.2 bar
- Flow rate max. (0 bar back pressure) : 18 l/min
- Bath depth min. : 150 mm
- Calibration option : yes
- Appliance fastener : clamp
- Technical data complies with the standard : DIN 12876
- Permissible ON time : 100 %
- Dimensions (W x H x D) : 145 x 340 x 200 mm
- Weight : 3.75 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 21
- RS 232 interface : yes
- USB interface : Micro-USB
- Voltage : 230 V
- Frequency : 50/60 Hz
- Power input : 2100 W

E. Tempering Chambers

1. Incubators and Incubator Shakers

a. INC 125 F digital Incubator, Cat.No.,0020117172



The INC 125 F digital convection incubator is ideal for microbiological applications up to 100 °C thanks to its precise temperature control. With a capacity of 125 liters, INC 125 F digital offers the largest volume in its class. Wide temperature range: RT +8 °C to 100 °C

Scope of delivery

INC 125 F digital Incubator

IO T 2.10 Wire grid tray, chrome plated (2 pcs.)

Tilt protection (2 pcs.)

USB A-B Cable

Calibration certificate at 37°C

Technical Data

- Heat output : 750 W
- Working temperature : room temp. +8 - 100 °C
- Adjustment and display resolution : 0.1 K
- Temperature stability (37°C @22°C) : ±0.3 K
- Temperature homogeneity (37°C @22°C) : ±0.3 K
- Temperature heat up time (37°C @22°C) : 8 min
- Temperature door recovery (37°C @22°C) : 3 min
- Temperature display : yes
- Display : LCD
- Timer : yes
- Timer display : LCD
- Time setting max. : 100 d
- Number of trays max. : 6
- Load for one tray max. : 20 kg
- Operating area inner chamber : 550 x 550 x 415 mm
- Total volume inner chamber : 125 l
- Air outlet port diameter inside : 48 mm
- Thermal safety devices according DIN 12880 : TB class 1
- Set-point limiter with safety shutdown : yes
- Inner glassdoor : yes
- Temperature sensor control : PT 100 4 wire
- Cleaning thermal decontamination (120°C) : yes
- Power consumption at 37°C : 75 Wh/h
- Dimensions (W x H x D) : 700 x 720 x 635 mm
- Weight : 60 kg
- Permissible ambient temperature : 15 - 32 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 20
- USB interface : USB-B
- Voltage : 220 - 240 V
- Frequency : 50/60 Hz
- Power input : 800 W
- Power input max. : 800 W
- Power input standby : 2 W
- Fuse : 2x T5.0A 250V

b. INC 125 FS digital (SP20) Incubator Shaker, Cat.No., 0020117221



INC 125 FS digital is the first incubator shaker with a patented removable shaker platform. Without the platform, the unit can be used like a normal incubator. The large inner chamber with a volume of 125 liters offers space for up to 6 grid shelves (without shaker platform). High shaking speed up to 300 rpm.

Scope of delivery

INC 125 FS digital
 shaker platform SP20
 IO T 2.10 Wire grid tray, chrome plated
 Tilt protection (2 pcs.)
 USB A-B Cable
 Calibration certificate at 37°C

Technical Data

- Heat output : 750 W
- Working temperature : room temp. +8 - 80 °C
- Adjustment and display resolution : 0.1 K
- Temperature stability (37°C @22°C) : ±0.1 K
- Temperature homogeneity (37°C @22°C) : ±0.2 K
- Temperature heat up time (37°C @22°C) : 12 min
- Temperature door recovery (37°C @22°C) : 2 min
- Temperature display : yes
- Display : LCD
- Time setting max. : 100 d
- Number of trays max. : 6
- Load for one tray max. : 20 kg
- Operating area inner chamber : 550 x 550 x 415 mm
- Total volume inner chamber : 125 l
- Thermal safety devices according DIN 12880 : TB class 1
- Set-point limiter with safety shutdown : yes
- Door with window : yes
- Temperature sensor control : PT 100 4 wire
- Cleaning thermal decontamination (120°C) : yes
- Thermal decontamination with SP20/25 (100°C) : yes
- Shaking stroke : 20 mm
- Speed : 10 - 300 rpm
- Speed deviation : ±5 rpm
- Permissible shaking weight (incl. attachment) : 7.5 kg
- Set-up plate dimensions 340 x 480 mm
- Power consumption at 37°C : 85 Wh/h
- Dimensions (W x H x D) : 700 x 720 x 635 mm

- Weight : 70 kg
- Permissible ambient temperature : 15 - 32 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 20
- USB interface : USB-B
- Voltage : 220 - 240 V
- Frequency : 50/60 Hz
- Power input : 850 W
- Power input max. : 850 W
- Power input standby : 2 W
- Fuse : 2x T5.0A 250V

c. INC 125 FC digital Incubator cooled, Cat.No.,0020126186



The INC 125 FC digital cooling incubator is ideal for microbiological applications from -5 to 100 °C thanks to its precise temperature control. Wide temperature range: -5 °C to 100 °C.

Scope of delivery

INC 125 FC digital Incubator cooled
 IO T 2.10 Wire grid tray, chrome plated (2 pcs.)
 Tilt protection / assembly material (2 pcs.)
 USB A-B cable
 Calibration certificate at 37 °C & 10 °C
 Hose adapter (for hoses Ø 9-11 mm)

Technical Data

- Cooling agent R290
- Cooling agent quantity 55 g
- Cooling agent pressure max. 21 bar
- Heat output : 750 W
- Working temperature : room temp. -5 - 100 °C
- Adjustment and display resolution : 0.1 K
- Temperature stability (37°C @22°C) : ±0.2 K
- Temperature homogeneity (37°C @22°C) : ±0.3 K
- Temperature heat up time (37°C @22°C) : 8 min
- Temperature door recovery (37°C @22°C) : 4 min
- Temperature display : yes
- Display : LCD
- Timer : yes

- Timer display : LCD
- Time setting max. : 100 d
- Number of trays max. : 6
- Load for one tray max. : 20 kg
- Operating area inner chamber : 550 x 550 x 415 mm
- Total volume inner chamber : 125 l
- Thermal safety devices according DIN 12880 : TB class 1
- Set-point limiter with safety shutdown : yes
- Inner glassdoor : yes
- Temperature sensor control : PT 100 4 wire
- Defrost function : yes
- Cleaning thermal decontamination (100°C) : yes
- Set-up plate dimensions 340 x 480 mm
- Power consumption at 37°C : 79 Wh/h
- Drain tube inner diameter : 10 mm
- Noise level : 51 dB(A)
- Dimensions (W x H x D) : 700 x 1000 x 635 mm
- Weight : 80 kg
- Permissible ambient temperature : 15 - 32 °C
- Permissible relative humidity : 70 %
- Protection class according to DIN EN 60529 : IP 20
- USB interface : USB-B
- Voltage : 220 - 240 V
- Frequency : 50/60 Hz
- Power input : 950 W
- Power input max. : 1000 W
- Power input standby : 2 W
- Fuse : 2x T6.3A 250V

2. Drying Oven

a. Oven 125 basic dry Drying Oven, Cat.No., 0020003215



Universal oven for tempering, drying, aging and heating application in the laboratory. The IKA OVEN 125 basic dry covers applications in industry, schools /

universities, research, quality control and science. The oven can be controlled by USB and test parameters can be recorded for further analyses. Temperature range: RT + 5°C to 250°C, Capacity: 125 l.

Scope of delivery

IKA OVEN 125 basic dry Drying oven
Wire grid tray, chrome plated (2 pcs.)
Tilt protection (2 pcs.)
Screwdriver (for adjustment of temperature limit)
USB A-B Cable
Calibration certification at 160°C

Technical Data

- Heat output : 2400 W
- Working temperature : room temp. +5 - 250 °C
- Adjustment and display resolution : 0.1 K
- Temperature stability (150°C, center, standard door) : ±0.5 K
- Temperature display : yes
- Timer : yes
- Timer display : 7 segment LED
- Time setting range : 1 - 144000 min
- Number of trays max. : 6
- Load for one tray max. : 30 kg
- Operating area inner chamber : 550 x 525 x 450 mm
- Total volume inner chamber : 125 l
- Air outlet port diameter inside : 48 mm
- Thermal safety devices according DIN 12880 : TB class 1
- Dimensions (W x H x D) : 700 x 825 x 650 mm
- Weight : 74 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 20
- USB interface : USB-B
- Voltage : 220 - 240 V
- Frequency : 50/60 Hz
- Power input : 2450 W
- Power input standby : 2 W

b. Oven 125 control dry Drying Oven, Cat.No., 0020003996



The models in the IKA Oven 125 dry series are powerful drying cabinets for temperature regulation, drying, ageing and heating tasks. The device has a very large interior of 125 l in relation to its total volume. This structure also reduces odour emissions and operating costs and ensures excellent temperature uniformity.

Scope of delivery

IKA OVEN 125 control - dry glass Drying oven

IO T 1.00 (2 pcs.)

Tilt protection (2 pcs.)

Screwdriver (for adjustment of temperature limit)

USB A-B Cable

Calibration certification at 160°C

Technical Data

- Heat output : 2400 W
- Working temperature : room temp. +5 - 300 °C
- Adjustable safety circuit 50 °C - 320 °C
- Adjustment and display resolution : 0.1 K
- Temperature stability (150°C, center, standard door) : ±0.5 K
- Temperature display : yes
- Timer : yes
- Timer display : LCD
- Time setting range : 1 - 142560 min
- Number of trays max. : 6
- Load for one tray max. : 30 kg
- Operating area inner chamber : 550 x 525 x 450 mm
- Total volume inner chamber : 125 l
- Air outlet port diameter inside : 48 mm
- Thermal safety devices according DIN 12880 : TB class 1
- 2. Thermal safety devices DIN 12880 : TWW Klasse 3.1
- Dimensions (W x H x D) : 700 x 825 x 650 mm
- Weight: 89 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 20
- RS 232 interface : yes

- USB interface : USB-B
- Voltage : 220 - 240 V
- Frequency : 50/60 Hz
- Power input : 2500 W
- Power input standby : 2 W