IKA®

Data Sheet

ICC basic eco 18

IKA facilitates the configuration of your temperature control system by offering "ready for connection" packages with all necessary accessories.

Package includes
- ICC basic Compact Immersion Circulator
- IB 18 eco Plastic bath (size L)
- BL.ICC Large bridge

Bath opening: 245 x 305 mm
Immersion depth: 85 - 125 mm

Max. temperature in the plastic bath ("eco" series): 100°C (water only)

* Technical data relates to the temperature control instrument included in the package

Accessories: IB 8 eco, IB 18 eco, IB 9 pro, IB 12 pro, IB 20 pro, CS.ICC Small cover, CM.ICC Medium cover, CL.ICC Large cover, BS.ICC Small bridge, BL.ICC Large bridge, CC2 Cooling coil, PCS.ICC, floating globes, PP, LT 5.20 Hose kit (2 pcs), LT 5.21 Hose kit insulated (2 pcs), H.PVC.8 Tube, H.PVC.12 Tube, H.SI.8 Tube, H.SI.12 Tube, H.FKM.8 Tube, H.FKM.12 Tube, H.PUR.8.R Tube, H.PUR.12 Tube, ISO.8, ISO.12, Tube rack, 13mm, S, stainless, Tube rack, 17mm, S, stainless, Tube rack, 22mm, S, stainless, Tube rack, 13mm, ML, stainless, Tube rack, 17mm, ML, stainless, Tube rack, 22mm, ML, stainless, Variable rack, ICC, ML, stainless, Inlay 1, variable rack, ICC, ML, Inlay 2, variable rack, ICC, ML, Inlay 3, variable rack, ICC, ML, Floating tube rack 1, Floating tube rack 2, Floating tube rack 3, Variable bottom, ICC, L, stainless, Bottom plate L, ICC, Ball valve M16x1, mechanic fluid level controller, elbow tube 90°, Olive for DN 6 hoses (2 pcs.), Olive for DN 8 hoses (2 pcs.), Olive for DN 12 hoses (2 pcs.), Olive for DN 10 hoses (2 pcs.), Adapter NPT 1/4 (2 pcs.), Adapter NPT 1/2 (2 pcs.), Adapter NPT 3/4 (2 pcs.), lock nut (2 pcs.), stopper (2 pcs.)

Technical Data	
Appliance type	Compact immersion circulators
Class designation acc. DIN 12876	III
Identification according to DIN 12876	FL
Heat output [W]	2000
Working temperature [°C]	room temp. +10K @1000rpm - 150
Operating temperature min. (with external cooling) [°C]	-20
Temperature display	yes
Temperature control	PT 100
Working temperature sensor	PT 100
Safety temperature sensor	PT1000
Working temperature display	LED
Safety temperature display	LED
Temperature stability DIN 12876 [±K]	0.02
Display resolution [K]	0.1
Display for operation with ext. sensor	yes
Set temperature resolution [±K]	0.1
Warning function optical	yes
Warning function acoustic	yes
Warning function excess temperature	yes
Adjustable safety circuit [°C]	0 - 160
Sub-level protection	yes
Over-level protection	yes
Pump type	Pressure- / suction pump
Pump capacity adjustable	yes
Pump pressure max. (0 liters discharge flow) [bar]	0.3
Pressure pump (suction side) (0 liter flow) [bar]	0.2
Flow rate max. (0 bar back pressure) [l/min]	18
Bath depth min. [mm]	150
Calibration option	yes
Appliance fastener	clamp
Technical data complies with the standard	DIN 12876
Permissible ON time [%]	100
Dimensions (W x H x D) [mm]	145 x 340 x 200
Weight [kg]	3.75
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	yes
USB interface	yes
Voltage [V]	230 / 115
Frequency [Hz]	50/60
Power input [W]	2100
Ident. No.	**0008035000**