

HİRA TESTING EQUIPMENT



CURING TANKS

STANDARDS: EN 12390-2, ASTM C31, C192, C511

Curing Tanks are designed for curing concrete cubes and cylinders.

The temperature can be adjusted and can be kept constant by an electric resistance incorporating a digital thermo regulator which maintains the set temperature between ambient to 40 °C with ± 2 °C accuracy.

Supplied complete with Thermostat Controlled Heater, Base Metal Rack and Submersible Circulator Pump.

Cooling Unit is available as optional. Cooling Unit (should be factory installed) should be ordered separately.

Set of Removable Upper Racks, Cover for Curing Tank and Tong for Cube Mould should be ordered separately.

K-Type 4 Channels Datalogger is available as optional. RS 232 Interface and 16000 memory capacity. Resolution is 0,1°C in -200,0°C...+200°C.

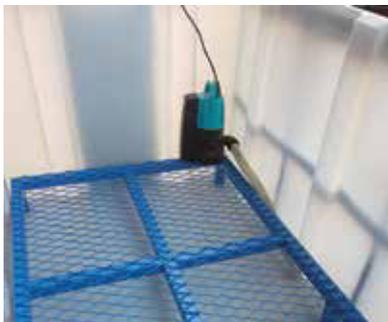
K-Type Thermocouple Cable and Connector should be ordered separately.

Standard Control Device is available as optional. Standard Control Device has 2 pieces 4 Digit Display, Auto-Tuning (automatic setting of PID parameters), Sensor Fault Detection. Usb to RS 485 Cable is needed and should be ordered separately.

Advanced Control Device with Datalogger is available as optional. Advanced Control Device has 2 pieces 4 Digit Display, PID Heating/Cooling, Auto-Tuning (automatic setting of PID parameters), Automatic/Manual Operating Modes, Sensor Fault Detection. Datalogger for Advanced Control Device has 5 pieces Isolated Analog Input Channel, USB 1.1 and 2.0 Compatible PC Connection, Unlimited Recording Capacity, Excel, Access, Text, HTML and PDF reporting format.



HR-C0450



HR-C0450/1 with HR-C0450/3



HR-C0477



HR-C0450/1



HR-C0475



HR-S5415 with HR-C0450/4



HR-C0450/4 with HR-C0450/5

Technical Specifications:

Product Code	Product Name	Mould Capacity (pieces)		Int. Dimensions (cm)	Weight (kg)	Power Supply
		Cube 15x15 cm	Cylinder Ø 15x30 cm			
HR-C0450	Large Curing Tank, Polyethylene	390	195	100x200x80	130	220 V, 50-60 Hz, 1 ph
HR-C0455	Small Curing Tank, Polyethylene	220	110	80x185x70	90	220 V, 50-60 Hz, 1 ph
HR-C0460	Small Curing Tank, Metal	108	54	77x160x70	95	220 V, 50-60 Hz, 1 ph
HR-C0465	Small Curing Tank, Stainless Steel	108	54	77x160x70	115	220 V, 50-60 Hz, 1 ph

Spare Parts & Accessories:

Product Code	Product Name	Dimensions (mm)	Weight (kg)	Power Supply
HR-C0470	Cooling Unit	1000x500x800	90	220 V, 50-60 Hz, 1 ph
HR-C0475	Portable Curing Tank Heater	---	---	220 V, 50-60 Hz, 1 ph
HR-C0477	Portable Heater	---	---	220 V, 50-60 Hz, 1 ph
HR-C0450/1	Set of Removable Upper Racks (6 pcs) for HR-C0450	---	---	---
HR-C0450/2	Curing Tank Heater	---	---	220 V, 50-60 Hz, 1 ph
HR-C0450/3	Circulating Pump	---	---	220 V, 50-60 Hz, 1 ph
HR-C0450/4	Curing Tank Digital Indicator	---	---	220 V, 50-60 Hz, 1 ph
HR-C0450/5	Curing Tank Resistance	---	---	---
HR-C0450/6	Cover for HR-C0450	---	---	---
HR-C0455/1	Cover for HR-C0455	---	---	---
HR-C0460/1	Cover for HR-C0460	---	---	---
HR-C0465/1	Cover for HR-C0465	---	---	---
HR-C0455/2	Set of Removable Upper Racks (6 pcs) for HR-C0455 & HR-C0460 & HR-C0465	---	---	---
HR-C0715	Tong for Cube Mould	140x900x50	2,5	---
HR-C0480	K-Type 4 Channels Datalogger	184x64x30	0,210	1 x 9V AC Adapter
HR-C0960	K-Type Thermocouple Cable, 1 m for HR-C0480	---	---	---
HR-C0961	Connector, 1 pcs. for HR-C0480	---	---	---
HR-C0485/1	Advanced Control Device	48x48x108	---	24 V DC
HR-C0485/2	Datalogger for HR-C0485/1	72x112x26	---	---
HR-C0490/1	Standard Control Device	48x48x108	---	24 V DC
HR-C0490/2	Usb to RS 485 Cable for HR-C0490/1	---	---	---



HİRA TESTING EQUIPMENT



ACCELERATED CONCRETE CURING TANK

STANDARDS: ASTM C684, BS 1881:12

Accelerated Concrete Curing Tank has been designed for accelerated concrete strength curing.

HR-C0495

It comprises a fully insulated double wall tank with cover, inside all from stainless steel, outside from steel painted sheet with an intermediate layer of insulating mineral wool and an stainless steel perforated platform for circulation of water and to support the concrete specimens. The tank also has a circulation pump to provide the same water temperature at any point within the tank.

Accelerated Concrete Curing Tank can hold up to 16 pieces 150 mm cube moulds or 16 pieces 150 mm cylinder moulds or 8 pieces 200 mm cube mould. Temperature range; from ambient to 100 °C.

The Digital Control Panel is provided with a Thermoregulator with Timer.



Technical Specifications:

Product Code	Product Name	Mould Capacity (pieces)			Ext. Dimensions (cm)	Weight (kg)	Power Supply
		Cube 15x15 cm	Cylinder Ø 15x30 cm	Cube 20x20 cm			
HR-C0495	Accelerated Concrete Curing Tank	16	16	8	100x75x90	130	220 V, 50-60 Hz, 1 ph

CURING TANK, HEAVY PLASTIC

STANDARDS: EN 12390-2, ASTM C31, C192, C511

Curing Tanks are designed for curing concrete cubes and cylinders.

The temperature can be adjusted and can be kept constant by an electric resistance incorporating an Analog or a Digital thermo regulator which maintains the set temperature between ambient to 40 °C with ± 2 °C accuracy.

Supplied complete with Analog or Digital Thermostat Controlled Heater, Base Metal Rack, Submersible Circulator Pump and cover.

Tong for Cube Mould should be ordered separately.



HR-C0440

Technical Specifications:

Product Code	Product Name	Int. Dimensions (cm)	Ext. Dimensions (cm)	Weight (kg)	Power Supply
HR-C0440	Curing Tank with Analog Heater, Poliethylene	92x111x61	104x124x80	30	220 V, 50-60 Hz, 1 ph
HR-C0445	Curing Tank with Analog Heater, Poliethylene	74x112x65	84x124x84	25	220 V, 50-60 Hz, 1 ph
HR-C0441	Curing Tank with Digital Heater, Poliethylene	92x111x61	104x124x80	30	220 V, 50-60 Hz, 1 ph
HR-C0442	Curing Tank with Digital Heater, Poliethylene	74x112x65	84x124x84	25	220 V, 50-60 Hz, 1 ph

Spare Parts & Accessories:

Product Code	Product Name	Power Supply
HR-C0477	Analog Thermostat Controlled Heater	220 V, 50-60 Hz, 1 ph
HR-C0450/4	Curing Tank Digital Indicator	220 V, 50-60 Hz, 1 ph
HR-C0450/5	Curing Tank Resistance	---
HR-C0440/1	Set of Removable Upper Racks (6 pcs) for HR-C0440 & HR-C0441	---
HR-C0445/1	Set of Removable Upper Racks (6 pcs) for HR-C0445 & HR-C0442	---
HR-C0450/3	Circulation Pump	---
HR-C0715	Tong for Cube Mould	---
HR-C0440/1	Plastic Cover, for HR-C0440 & HR-C0441	---
HR-C0445/1	Plastic Cover, for HR-C0445 & HR-C0442	---