PROGRAMMABLE ACCELERATED CURING TANKS

Introduction

This test method covers procedures for curing concrete specimens under conditions intended to accelerate the development of strength.

Three versions available:

- 55-C0194/D model which cover the ASTM C684, C1768 (Procedure A, warm water method) and BS 1881:112 for 35-55°C hot water method.
- 55-C0194/DV similar to the above, but covering steam method.
- 55-C0194/E model, covering both hot water and steam method.

Description

This special curing tanks have been designed for hot water curing or steam curing in accelerated strength concrete. The interior is made from stainless steel. The electronic programmer can control up to four test cycles with different thermal gradients and curing time to a defined temperature value for a complete automatic curing cycle. The control panel include a 28 column thermal printer.

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SPECIFICATION

	C0194/D C0194/DZ	C0194/DV C0194/DVZ	C0194/E C0194/EZ
Max water temperature, °C	90	-	90

Max steam temperature, °C	-	100	100
Temperature sensor	PT 100		
Heating system	Three 1500W electric resistance heaters submerged in water Submersible circulation pump		
Submersible circulation pump	-	-	yes
Cooling system	-	With mains water controlled by solenoid valve*	
Temperature control	By closed loop PID control system		
Temperature curing cycle	Programmable: -Rising time up to the selected value -Maximum temperatur holding time		Programmable: -Rising time up to the selected value -Maximum temperatur holding time -Cooling time down to ambient temperature
Power rating, W	4500		
Printer	24 column, included		
Overall dimensions, mm (w x d x h)	970 x 1000 x 920		
Internal dimension, mm (w x d x h)	640 x 900 x 560**		

STANDARDS

- ASTM C684
- BS 1881:112
- ASTM C1768

ORDERING CODE

55-C0194/D

Programmable accelerated concrete curing tank for hot curing method to ASTM C684 and BS 1881:112, complete with printer. 380V, 50Hz, 3ph.

55-C0194/DV

Programmable accelerated concrete curing tank, steam method, complete with printer. 380V/50Hz/3ph

55-C0194/DVZ

Programmable accelerated concrete curing tank, steam method, complete with printer. 220V/60Hz/3ph

55-C0194/DZ

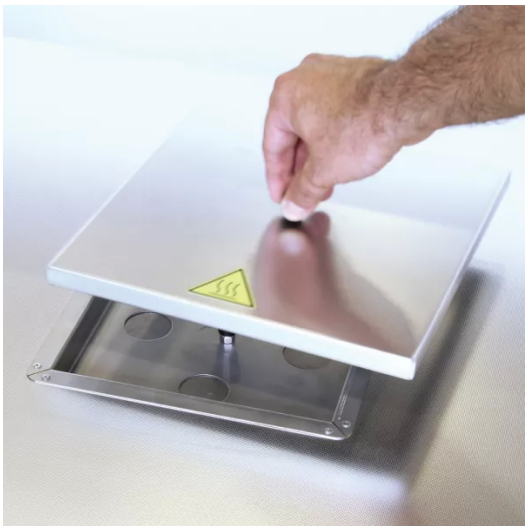
Programmable accelerated concrete curing tank for hot curing method to ASTM C684 and BS 1881:112, complete with printer. 220V, 60Hz, 3ph.

55-C0194/E

Programmable accelerated concrete curing tank, warm/hot water method, to ASTM C684 and BS 1881:112and steam method. Complete with printer. 380V/50Hz/3F

55-C0194/EZ

Programmable accelerated concrete curing tank, warm/hot water method, to ASTM C684 and BS 1881:112and steam method. Complete with printer. 220V/60Hz/3F



CONTROLS
Main Switch
Heating
Printing