

DATA SHEET

Programmable Accelerated Curing Tanks



Programmable accelerated curing tank 55-C0194/D, 55-C0194/DV, 55-C0194/E

General description

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.

Standards

- ASTM C684
- BS 1881:112
- ASTM C1768

Specifications

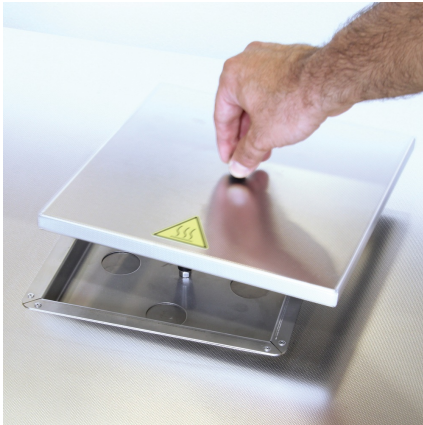
	C0194/D C0194/DZ	C0194/DV C0194/DVZ	C0194/E C0194/EZ
Max water temperature, °C	90	-	90
Max steam temperature, °C	-	100	100
Temperature sensor	PT 100		
Heating system	Three 1500W electric resistance heaters submerged in water		
Submersible circulation pump	-	-	yes

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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**	

* Note: cold water is supplied to the bottom of the tank in order it does not hit the specimens

** 400mm is the max height between specimen supporting grid and water level



Programmable accelerated curing tank, detail of vent opening



Programmable accelerated curing tank, detail of control panel

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Programmable accelerated curing tank, detail of base supporting grid

Products

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 1881:112 and 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 1881:112 and steam method. Complete with printer. 220V/60Hz/3F