



Specifications

110 & 230 Volt Concrete Curing Tanks

Standards:

BS1881-111

ASTM C192

ASTM C 31

EN12390-2

British Standard:

BS1881-111 (2016)

All models comply with the above standards: A12-240V, B24-240V, A12-110V, B42-110V





24 cube capacity tank.



The Curing Tanks supplied by Speedcrete are supplied in two capacities. Pictured on the left is the 24 cube capacity tank. Pictured below are pictorial examples of the 12 cube capacity tanks.



Working temperature range 0-40°C.

The analogue immersion heater has a thermostatic control which should be set at 20°C for the correct curing temperature.

Curing tank lids and wheel systems are available on our website.

Visit: www.speedcrete.co.uk for more information.



Code: A12-230V

Dimensions:
660mm x 480mm x 510mm
Capacity: 12 x 150mm cubes

Code: B24-230V

Dimensions:
970mm x 610mm x 610mm
Capacity: 24 x 150mm cubes.



Code: A12-110V

Dimensions:
660mm x 480mm x 510mm
capacity 12 x 150mm cubes.

Code: B24-110V

Dimensions:
970mm x 610mm x 610mm
capacity 24 x 150mm cubes.

CAREFULLY READ THIS MANUAL

This instruction manual is an integral part of the machine and should be read before using the machine and be safely kept for future reference. Speedcrete reserves all rights of this manual, no part or whole can be copied without the written permission of Speedcrete. The proper use of this equipment must be strictly adhered to, any other use must be considered as incorrect.

The manufacturer cannot be held responsible for damages caused by incorrect use of this equipment. The Curing Tanks must not be tampered with for any reason. In case of tampering, the manufacturer declines any responsibility of functioning and safety of the machine.

This Manual is published by Speedcrete. Speedcrete reserves the right to update its manuals without notification in order to correct possible typing errors, mistakes, updating of information and/or updating of programs and/or accessories. Such changes will be inserted in the latest edition of the current manual.

NOTE: The present manual is updated for the product it is sold with in order to grant an adequate reference in operating and maintaining the equipment.

The manual may not reflect changes to the product not impacting service operations. The heater, immersed in the water bath, heats and controls the water up to the temperature value previously set on the control panel.

On the bottom of the curing tank is located the stainless steel grate, which allows an homogeneous pressure on the base. The models can be supplied with a cover (Optional accessory) which allows a perfect closing. We produce different models of tanks, both of which are suitable for all applications and satisfy the requirements of the relevant standards.

Both 12 and 24 cube capacity tanks are designed for curing concrete cubes and cylinders.

The temperature can be set and maintained at the required value using one of the following heating systems:

- Thermostatic analogue heating system
- Thermostatic digital heating system

Ideal for site laboratories, supplied complete with a robust metal internal base to hold concrete specimens without distorting. All models of tank can be used with the Submersible circulator pump if and when required.

Speedcrete designs and builds its devices complying with the related safety requirements; furthermore it supplies all information necessary for a correct use and the warnings related to use of the equipment.

Speedcrete has not to be held responsible for:

- use of the equipment different than the intended use.
- damages to the unit, to the operator, caused both by installation and maintenance procedures different than those described in this manual supplied with the unit, and by wrong operations.

- mechanical and/or electrical modifications performed during and after the installation, different than those described in this manual. Installation and any technical intervention must only be performed by qualified technicians authorized by Speedcrete. Only the authorised personnel can remove the covers and/or have access to the components under voltage. The operator has to be instructed on the use of the equipment and on the related safety rules.

The device must be used in compliance with the procedures described in this manual. Never use the device for purposes different from those herewith indicated for which it has been designed.

The operator has to be instructed on the use of the equipment and on the related safety rules.

During normal use, if the operator detects irregularities or damages, he/she should immediately inform the authorized technical personnel.

Maintenance and service activities can only be performed by skilled authorized technical personnel that have been properly trained on the residual risks of the equipment.

It is responsibility of the purchaser to make sure that line operators and maintenance engineers have been properly instructed concerning the safety issues and the residual risks related to the equipment.



WARNING:

All safety devices must be functional at all times. Damaged protective covers or devices must be replaced immediately. When safety components are replaced, the protective devices are to be properly attached and tested. Any manipulation of the safety devices endangers the operating personnel.

Raising and moving of the equipment must be performed by people properly trained and equipped with suitable personal protection devices (e.g. gloves, helmet, etc.). Failure to follow the instructions above may endanger the personnel involved.

If the instructions to remove the equipment from the shipping box are not carefully followed, damages to the equipment cabinet may result. This will void the warranty terms of the equipment.

Considering the weight of the equipment and the footprint, check the maximum allowed floor load before installation.

If the equipment is brought from a cold environment into a heated room, condensation on and in the unit can constitute a danger and lead to malfunctioning of the unit when started. Wait to connect and operate the unit until it is at room temperature.

The general grounding must comply with the rules in force; a wrong quality of the grounding could be dangerous for the operator's safety and cause a bad function of the electrical devices.

For continued fire protection, replace fuses with same type and rating. Also, in case of failure, components may only be replaced by using original spare parts. It is in the responsibility of the purchaser to ensure that fire prevention policies are properly implemented according to the CE provisions.

The operator should always use heat resistance gloves whilst using the heater.

Failing to perform the recommended maintenance actions or maintenance performed by unauthorized people can void the warranty. Speedcrete will not be responsible for maintenance and service actions performed by unauthorized people.

UNPACHAGING AND INSPECTION

The unit was carefully checked both mechanically and electrically before shipment; it should be inspected for any damage that may have occurred in transit.

If the shipping container or packaging material is damaged, it should be kept until the unit has been mechanically and electrically checked. If there is mechanical damage and/or the contents are incomplete (see the shipping list), please notify the local Speedcrete representative.

If the shipping container is damaged or shows sign of stress, notify the carrier as well as the Speedcrete representative. Save the shipping material for carrier's inspection. Also take some pictures.

WARNING:

Raising and moving of the equipment must be performed by people properly trained and equipped with suitable personal protection devices (e.g. gloves, helmet, etc.). Failure to follow the instructions above may endanger the personnel involved.

Before powering on the unit, check for loosen connections of cables inside the equipment.

PLACEMENT OF THE UNIT AND SPACE REQUIREMENT



WARNING:

Considering the weight of the equipment and the footprint check the maximum allowed floor load before installation. The unit must be placed on a flat and level surface.

The area around the equipment must be kept free from obstacles and from substances that may cause sliding of the personnel. It is responsibility of the purchaser to provide an installation place with adequate lighting.

Parts used to build the machine and electrical/electronics component are fire-proof. It is the responsibility of the owner of the equipment make sure that the installation place is equipped with proper fire extinguishing systems and that the operators have been instructed on the relevant procedures. Place the unit in its final location, taking into account the free space around the unit.

INSTALLATION

A part from the size of the device, the following conditions must be respected:

- Provide a suitable mains supply near to the device.

INFORMATION TO THE OWNER OF THE EQUIPMENT ON DISPOSAL

When the product reaches the end of useage life you must ensure the product is disposed of separately from other rubbish at the end of its useful life. Therefore, at the end of its useful life, the user should dispose of the product in a suitable collection point for electrical and electronic products provided by the local authorities, or alternatively return to the original producer in exchange for a newly purchased product.

The correct disposal of this product and the subsequent treatment encourages the manufacture of products using re-cycling materials and limits the environmental impact of the product caused by improper disposal.

Improper disposal of the product is subject to penalties foreseen by local regulations.

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Speedcrete are onhand to advise on the Curing Tanks we supply, please feel free to contact us via the contact details supplied below.

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