

Freeze and Thaw

Name: Freeze and Thaw Cycle Machine

Remarks:

The freeze and thaw cycle machine is designed and constructed by cement and concrete research group of Hakim Sabzevari University according to related regulations and standards. This device is a versatile freeze and thaw cycle machine with a capacity of at least 60 standard test blocks (10×10×50 flexural specimens). Other types of specimens with various sizes can also be tested because of the approximately large space available. It can be used to test the resilience of concrete to freeze thaw cycles according to standards like ASTM C666 or a cycle at the discretion of the user. The operator interface control provides easy input of the cycle time and temperature. The minimum and maximum cycle time of the testing machine is user defined.

Features:

- ✓ High volume capacity which advantage makes it available to apply freeze and thaw test for specimens with larger size than usual.
- ✓ Capable in tuning freeze and thaw times from -25 to +60 °C and vice versa.
- ✓ The temperature-time curve is also available using a thermograph data acquisition
- ✓ The temperature can be kept constant in desired range for a considered period of time



Standards: ASTM C666, ASTM C1262, ASTM C672, EN 1338, EN 1367-1, EN 1339, EN 1340

