



Ankarin Material Testing Equipment

AUTOMATIC FREEZE-THAW TEST CABINET

- This is a climate-controlled chamber operating on a cyclic principle, designed to accelerate the simulation of damage and deformation that occurs in concrete or reinforced concrete specimens under natural conditions.
- The operating temperature range is between +20°C and -18°C.
- The device features 7+2 programmable steps based on time. Water intake and drainage durations for these steps are fully adjustable. The user initiates the test by inputting the desired cycle sequence. During the steps, the device automatically fills the chamber with water to a user-specified level, submerging the specimens. Once the process time elapses, the water is automatically returned to the conditioning tank, thereby preventing excessive water consumption. Upon completing the sequence, the device repeats the cycle for the number of times specified by the user; the system is capable of performing up to 999 cycles in total.
- The unit is a horizontal-type chamber equipped with a stainless steel tank available in various capacities (100, 150, 250, 315, 500, or 1000 liters). The exterior casing is constructed from powder-coated sheet metal.
- The chamber door is equipped with two turbo fans, ensuring uniform temperature distribution within the cabinet.
- The device operates on the principle of air-based freezing and water-based thawing.
- The system includes a digitally controlled conditioning tank; water intake and drainage times are user-adjustable.
- The control unit features an electronic digital display with a setting and monitoring precision of $\pm 0.1^{\circ}\text{C}$. Temperature distribution uniformity within the usable volume is maintained within $\pm 3^{\circ}\text{C}$.
- The gas used in the cooling system does not contain CFCs.
- The appliance operates on 230 V, 50 Hz.







ANASAYFA

ADIMLAR

NUMUNE

İZLEME

MANUEL

AYARLAR

ALARM

XXXXXXXXXXXX

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DURUM

ADIMLAR	
Sıcaklık Şartı ❌ Suda Bakleme ❌ Boşaltma Adımı ❌ Adımlar Aktif ❌	Boşaltıyor ❌ Dolduruyor ❌ Kontrol Aktif ❌ Sıkıştıyorsa Aktif ❌ Sagıtma Aktif ❌
TÜR SAYISI	99999
MEVCUT ADIM	99999
ADIM SÜRESİ	99 99 99

Toplam Geçen Süre

99 99 99

Bekleme Adımı Geçen Süre

99 99 99

Boşaltma Geçen Süre

99 99

Geri

ALARM

Mevcut Sıcaklık ±99.9

Sıcaklık Set Değeri ±99.9

Mevcut Adım 9