

CONCRETE FREEZE-THAW CYCLE TEST CHAMBER

STANDARD: ASTM C666

SINCE 2006

It is used to determine the resistance of concrete specimens to repeated cycles of freezing and thawing in the laboratory by rapid freezing and thawing in water method.





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CONCRETE FREEZE-THAW CYCLE TEST CHAMBER



FEATURES

- The compressor, heating device and power control part are all imported parts with high quality and high performance. \bigcirc
- \bigcirc When running at full load, the temperature difference at each point in the freeze-thaw cabinet does not exceed ± 2 C.
- Display data curves in real time and automatically store test data. \bigcirc
- It has an automatic recovery function when the test is accidentally interrupted. \bigcirc
- Easy installation, small footprint, low noise \bigcirc

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TECHNICAL SPECIFICATIONS

Model	TPDR-10	TPDR-16	TPDR-28
Condenser cooling system	Air cooling		
	100×100×400mm		
Specimen size	The size of the specimen for t	emperature measurement is the	same, a temperature
	measuring hole is required in the middle		
Capacity	10 pcs	16 pcs	28 pcs
Freeze-thaw cycle	2.5~4 hours, the thawing time is not less than 1/4 freeze-thaw cycle		
Center temperature control	8~-17±2°C	5~-18±2°C	
Liquid temperature control	High temperature: 18~23 °C / Low temperature: -23~-18 °C		
Diagonal temperature control	The temperature difference in the		
	cabinet does not exceed 1°C	The temperature difference in the cab	inet does not exceed 2°C
Secondary protection temperature control	50 °C ~-30°C		
Temperature recorder	Touch screen		
Freeze-thaw cycle medium	-45°C antifreeze		
Freeze-thaw cycle medium filling volume	The liquid level is 10-15mm higher than the specimen		
Refrigerator compressor	Fully enclosed 3HP	Fully enclosed 5HP	Fully enclosed 6HP
Heating power	3kW	4.5kW	6kW
Power supply	3N380V 50Hz		
Dimensions	1750×800×1100mm	1760×900×1100mm	Chamber
			1450*1100*1700mm
			Air cooling system
			1050*000*1250mm

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