

DICHLOROMETHANE RESISTANCE TESTER - TORONDRT50™



Dichloromethane Resistance Tester ToronDRT50™ is designed to evaluate the resistance of unplasticized polyvinyl chloride (PVC-U) pipes to dichloromethane at a specified temperature. It is suitable for all PVC-U pipes, regardless of their application. This method provides a quick and effective way to ensure consistent quality during production.

APPLICATIONS

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Principle

A section of PVC-U pipe, cut to a specified length and chamfered at one end at an angle based on its thickness, is immersed in dichloromethane for 30 minutes at the temperature outlined by the relevant standard. This process ensures the PVC-U remains unaffected at the specified temperature.

To enhance safety, the surface area of the dichloromethane is minimized and covered with a deep layer of water to limit evaporation. After immersion, the test piece is held in the water layer to allow excess liquid to drain before it undergoes final drying and inspection.

FEATURES

Dichloromethane Resistance Tester ToronDRT50™ Features

1. The insulation system features an inner lining that wraps around the entire body. Two types of insulation materials are used to ensure excellent performance and long-term energy efficiency.
2. During heating or cooling, the outer chamber temperature remains near room temperature, significantly enhancing safety and reducing energy consumption by over 70%.
3. The entire unit is constructed from durable 304 stainless steel.
4. The built-in heater greatly improves heat exchange efficiency.
5. The integrated refrigeration device operates without affecting the laboratory's ambient temperature.
6. The chamber lid, supported by a gas spring, ensures reliable and convenient operation. It is sealed with a silicone rubber strip to prevent air leakage, even at high temperatures.
7. The structural frame at the base of the unit is designed for high weight capacity and excellent resistance to deformation.

TECHNICAL SPECIFICATIONS

Dichloromethane Resistance Tester ToronDRT50™ Technical Specifications

Specification	Details
Temperature Range	10°C to 50°C
Temperature Uniformity	±0.5°C
Temperature Resolution	0.1°C
Test Time	0 to 99 min
Test Bath Dimension (mm)	350 x 300 x 260
Voltage	220VAC 50Hz 3kW (110V is also available)
Associated Equipment	Ventilation Chamber



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