

Dichloromethane resistance tester

(Dichloromethane soak testing machine)

Model: XQZ-20



1, General introduction

Methylene chloride tester/Dichloromethane soak testing machine is used to determine the resistance of unplasticised polyvinyl chloride (PVC-U) pipes to dichloromethane (methylene chloride) at a specified temperature (DCMT).

The gelation of PVC is one of the most important product quality considerations as it has an influence on impact strength and resistance to internal pressure. There are various methods to determine the gelation level in PVC pipes and profiles; the most common one is to use Methylene chloride according to various standards. The tester complies with EN 580 method B, ISO 9852 and equivalent.

Application: For plastic pipes, pipe fittings, sheet material to be carried out thermostatic control under the temperature of 5°C~65°C and dichloromethane soak test under 20°C.

2, References

ISO 9852 "Plastics piping systems - Unplasticized poly(vinyl chloride) (PVC-U) pipes - Test method for the resistance to dichloromethane at a specified temperature (DCMT)"

EN 580 "Plastics piping systems - Unplasticized poly(vinyl chloride) (PVC-U) pipes - Test method for the resistance to dichloromethane at a specified temperature (DCMT)"

3, Principle

A piece of PVC-U pipe, of specified length, chamfered at one end to an angle dependent on its thickness, is immersed for (30 ± 1) min in dichloromethane, at a temperature T specified by the referring standard, to verify that the PVC-U is not attacked at that temperature. For safety reasons, the surface area of the dichloromethane is kept to the minimum and the dichloromethane is covered by a deep layer of water to reduce evaporation. After immersion in the dichloromethane, the test piece is held in the water layer to allow it to "drip" before final drying and inspection.

4, Main technical specification

Bath temperature range	5-65℃
Temperature uniformity	±0.2℃
Temperature control accuracy	±0.5℃
Standard of work room	300×240×220mm
Container standard size	Φ220×150mm
Power	220V/110V, 50HZ/60HZ, 1 phase
Weight	65Kg
Size	500*570*830mm

5, Main accessories

Item	Quantity
Frame	1 set
Container	1 set
Sample bracket	2 pcs
Documents (Manual, packing list, certificate)	



Tester Frame



**Stainless steel
Container &
Sample bracket**



Working panel

Optional equipment:

Sample preparation chamfering machine (Cutter)

