

DW1380 IN-PLANE WATER FLOW RATE TESTER FOR GEOSYNTHETICS

**STANDARD: ISO 12958-2020, ASTM D4716-2007,
GB/T 17633-2019, SL/T 235-9-2012**

DW1380 In-plane Water Flow Rate Tester for Geosynthetics is applied to determine the in-plane water flow rate of geotextile or geotextile-related product under varying normal compressive stresses and standard hydraulic gradient using a constant head.

FEATURES

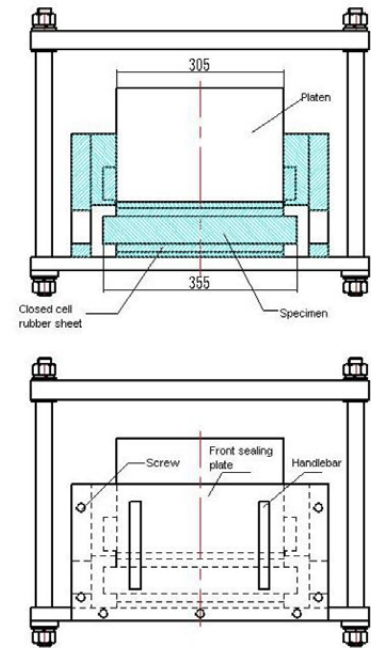
- ⊙ The machine is made of acrylic and aluminum profile, beautiful and not easy to rust;
- ⊙ Compact structure, easy to install;
- ⊙ Reasonable waterway design, simple to operate;
- ⊙ With water storage tank, good environmental adaptability;
- ⊙ It's safe and reliable to apply constant normal pressure to the specimen by pneumatic loading;
- ⊙ High precision pressure gauge is easy and reliable to read;
- ⊙ Continuously adjustable wide range of head loss can be realized by water level control system with two overflow ports;
- ⊙ The height value of water head is read from the water level scale with a reading accuracy of 1mm;
- ⊙ Equipped with closed-cell rubber of various thicknesses, adapt to specimens of different thickness.



DW1380 IN-PLANE WATER FLOW RATE TESTER FOR GEOSYNTHETICS

TECHNICAL SPECIFICATIONS

Platen size	305×305mm (L×W)
Max. specimen thickness	50mm
Thickness of rubber sheet	10, 15, 20, 25mm
Loading mode	Pneumatic loading
Normal pressure	0~600kPa, continuously adjustable
Normal pressure resolution	5kPa
Adjustment mode of head height	Lifting screw, manual
Range of head loss	0~400mm, continuously adjustable, water level scale display
Accuracy of head loss	1mm
Volume of water storage tank	120L
Dimensions (L*W*H)	Main machine: 1600*70*1800mm Water storage tank and frame: 80*60*2100mm
Net weight	Approx. 380kg



STANDARD CONFIGURATION

Main machine	1 set
Water storage tank	1 pc
Standing frame of water storage tank	1 pc
Rubber sheet for soft test	10 pcs
Allen key	1 pc
Water-inlet pipe	1 pc
Water-outlet pipe	1 pc

OPTIONAL ACCESSORIES

Nylon plate for hard test
Air compressor

