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FANYUAN INSTRUMENT (HF) CO., LTD.
DOWELL SCIENCE & TECHNOLOGY (HK) CO., LTD.
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DW1380 IN-PLANE WATER FLOW RATE TESTER FOR GEOSYNTHETICS



Front View



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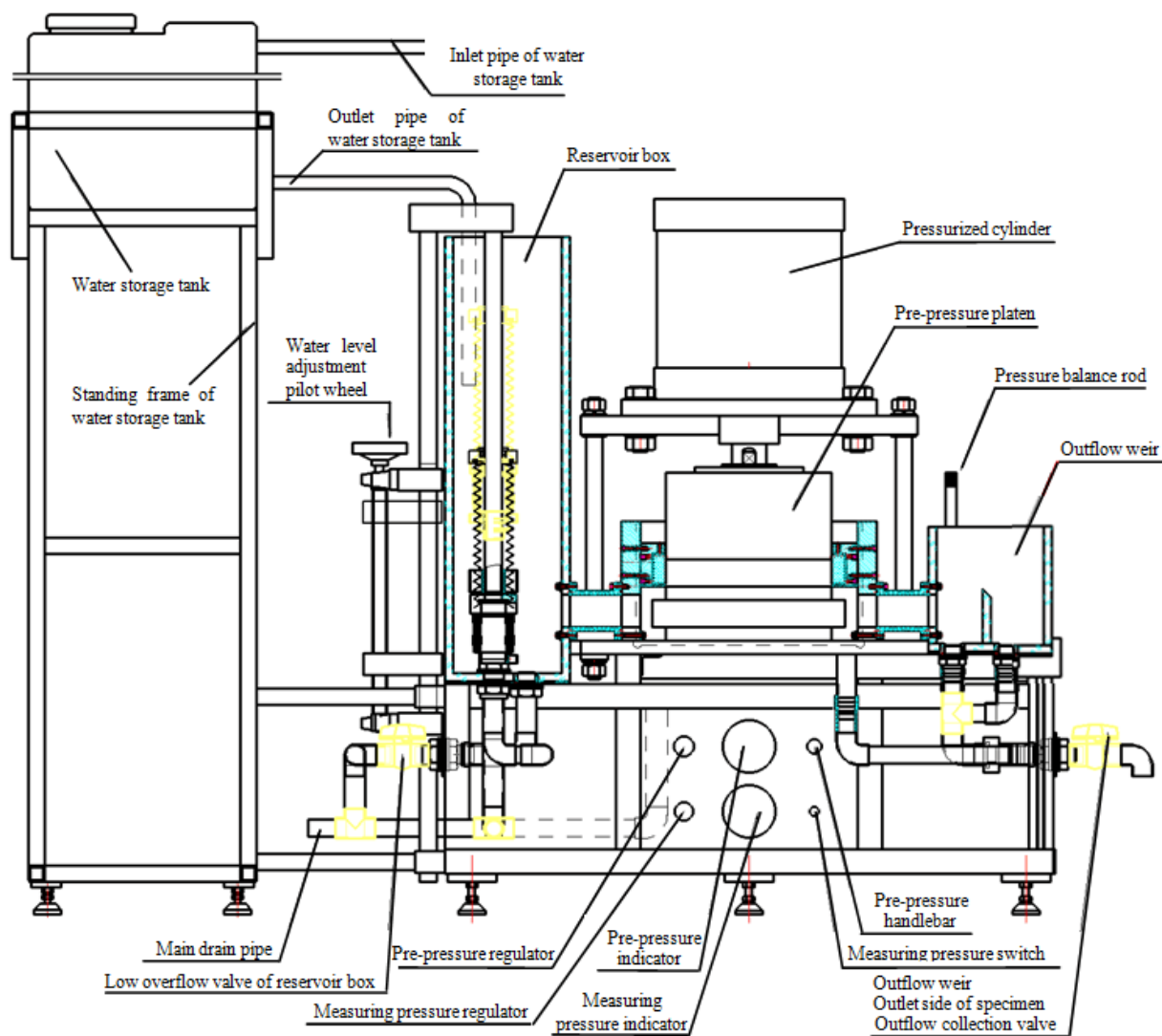


Lateral View



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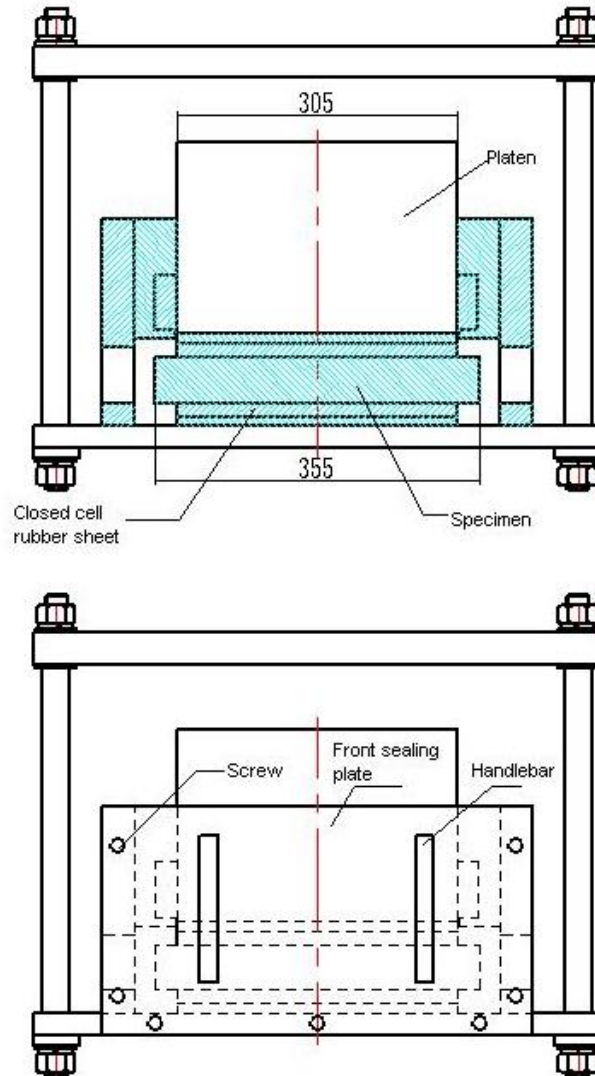


Schematic Diagram



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Schematic Diagram of Specimen Loading Chamber

MODEL NO.:

DW1380

APPLICATION:

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.

RELATED STANDARDS:

STANDARDS	ISO 12958-2020	GB/T 17633-2019
	ASTM D4716-2007	SL/T 235-9-2012

Note: this tester can conform to but not limit to the standards above, for more standards conformance, please contact us.

FEATURE:

- 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 can form various thicknesses, adapt to specimens of different thickness.

KEY SPECIFICATION:

- Platen size 305×305mm (L×W)
- Max. specimen thickness 50mm
- Thickness of rubber sheet 10mm, 15mm (can be combined to form a thickness of 20mm and 25mm)
- Loading mode Pneumatic loading
- Normal pressure 0~600kPa, continuously adjustable
- Normal pressure resolution 5kPa
- Adjustment mode of head height Lifting screw, manual



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- 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: 1,600*70*1,800mm
Water storage tank and frame: 80*60*2,100mm
- Net weight Approx. 380kg

STANDARD CONFIGURATION:

No.	Item	Quantity
1.	Main machine	1 set
2.	Water storage tank	1 pc
3.	Standing frame of water storage tank	1 pc
4.	Rubber sheet for soft test	8 pcs
5.	Allen key	1 pc
6.	Water-inlet pipe	1 pc
7.	Water-outlet pipe	1 pc

OPTIONAL ACCESSORIES:

No.	Item
1.	Nylon plate for hard test
2.	Air compressor