MatsuHaku 瑪芝哈克

Made In Taiwan

Automatic Vacuum Siphon Machine TWS-V2

Principle:

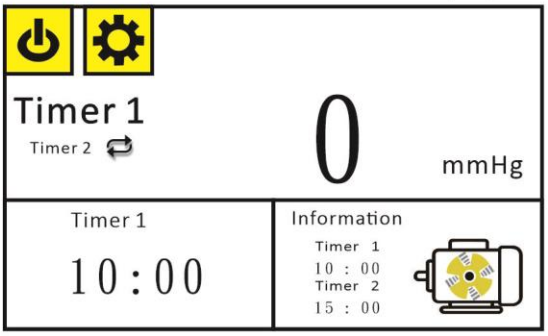
The machine is researched and designed according to the standards of ASTM B311, B328, MPIF 42, MPIF 57, JIS Z2501, Z2505, Z2506, GB/T 5163, 5164, 5165.

Application:

1. Waterproofing before testing the green density, sintered density and oil content of **powder metallurgy**.
2. Waterproof treatment before testing the green density and sintering density of **magnetic** materials, precision **ceramics**, **silicon carbide**, and **refractory** materials.
3. Saturated water treatment during the basic density test of **wood**.
4. Saturated water treatment operations during the bulk density test of the absorbent **sponge**.
5. Equipment for drawing vacuum when turning molds, **making epoxy, silicone, and wax models.**
6. Saturated water treatment during the bulk density test of **EVA/PE foam**.
7. The equipment to extract vacuum when researching and experimenting on porous water-absorbent materials.

Style & Display:

TWS-V2 has a Touch Screen Display



- **mmHg** → **Vacuum value**
- **Timer 1** → **Vacuum timer**
- **Information** → **Timer information**

Specification:

Model:	TWS-V2
Main Body Dimension:	42cm(L)*30cm(W)*45cm(H)
Vacuum Desiccator Dimension:	Diam 15cm* high 9cm
Motor Power:	120 W
Motor Voltage:	110 V / 60 Hz
Motor Pascal:	10 Pa
Motor Pumping Speed:	1 L / S

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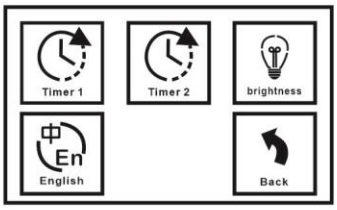
Analysis Chart:

Highlights Analysis Chart

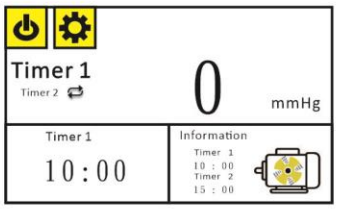
1. **Liquid Injection Pipe**
2. **Pressure Regulator**
   -The pressure value of the vacuum can be adjusted manually.
3. **Liquid Injection & Pressure Release button**
4. **Vacuum Desiccator**
   size is : 15*9 cm
5. **For 5 inch large touch screen**
   -Simple operation
6. **Vacuum Pump**

Testing Step:

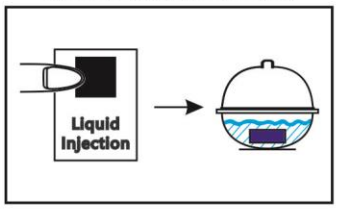
Step 1:
Setting 2 stage vacuum timer



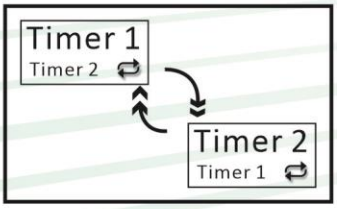
Step 2:
Start to the Timer 1 function



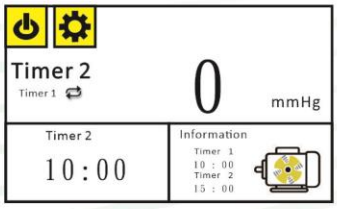
Step 3:
Inject the liquid to the vacuum desiccator



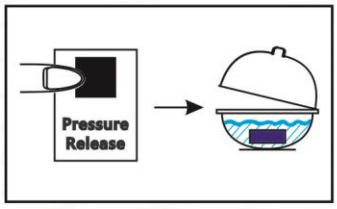
Step 4:
Change to the Timer 2



Step 5 :
Start to the Timer 2 function



Step 6:
To release the vacuum pressure



Features:

1. This machine has two vacuum extraction time settings Timer 1 and Timer 2. It can be timed from 0 to 99 minutes.
2. This machine has the function of injecting liquid into the vacuum desiccator.
3. Liquid injection hole:
   Through the liquid inlet switch, liquid can be injected into the vacuum vessel to meet the detection of oil content and apparent porosity of porous materials.
4. Pressure regulator:
   A. The vacuum pressure can be adjusted to match the testing of different materials.
   B. In the process of removing air bubbles in the powder and particles, a pressure regulator can be used to prevent the powder from spraying out or overflowing from the pycnometer.
   C. In the process of removing the bubbles of the viscous liquid, a pressure regulator can be used to avoid