



Shanghai Pengwang Machinery Co., Ltd.

Address: Building 8, No.1098, Chuansha road, Pudong New Area, Shanghai
Sales phone: +86 15801732387

PW016 Vacuum detector



General

Please read this manual carefully before using this machine, and retain it for future reference.

Vacuum Leak Tester, an auxiliary testing device for plastic construction. It is mainly used to test the welding quality, welding effect and accurate positioning of leaking points on the parts where inflation testing cannot work or welding rods have been applied to repair shortage and leakage at planar construction sites.

Main parts: hemispherical transparent cover, vacuum pump, crate, vacuum operation system etc.

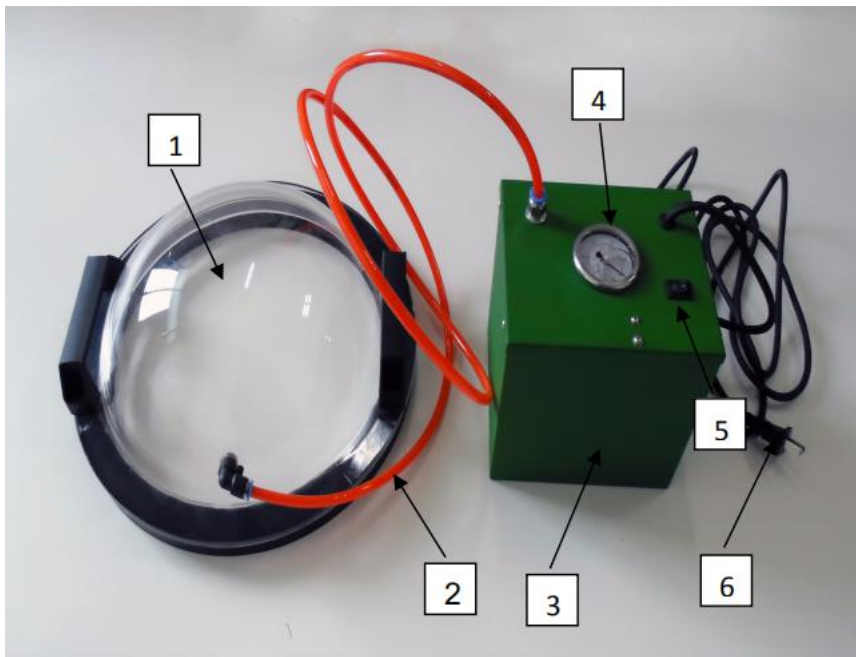
Working principle: Once starting the vacuum pump, put the hemispherical transparent cover above the to-be-tested plastic, withdraw the air from the cover and switch off the pump. In a while, if the pointer of the vacuum meter is stabilized and no leakage shows up on the surface, the examined part is tested satisfactory then. Or coat the to-be-tested part with soap water, place the hemispherical cover on it and then observe the bubbles of soap water. If any bubble shows up at the welding point, it shows that there is a leak at that point.

Product features: workable for testing welding points that have been repaired with welding rods; fast to vacuumize; high vacuum degree; low noise; light and portable; sturdy and durable; safe and reliable; easy to detect small leakage.

I . Technical parameters:

Type	
Name	Vacuum Leak Tester
Nominal voltage	220V
Nominal power	300W
Nominal frequency	50/60Hz
Ambient temperature	At a room temperature to 45°C
Maximum air flow	30L/Min
Maximum vacuum degree	-85KPa
Noise	≅ 50db
Area/Diameter of vacuum cover	700cm ² /30cm
Insulation grade	B
Voltage resistance grade	1500V/50Hz Without breakdown for 1 Min
Heat proof	130°C ± 5°C
Net Weight	6KG
Carton size	380mm×380mm×380mm

II. Vacuum Leak Tester Structure



1. Hood	4. Power switch
2. Airway connector	5. On/off switch
3. Pump	6. Plug

III. Operation Procedure and Instruction

1) Check if the tube and connector of the vacuum cover are tightly connected as well as whether the connectors of mainframe box are firmly fixed.

2) Clean the tested parts and apply soap water to their parts.

3) Insert the plug, switch on the power, and then the vacuum pump will start to work.

4) Put the hemispherical transparent cover on the tested part and press it hard. Observe whether the pointer starts to swing. It is normal that small amount of air inlet and bubbles show up around the cover. If there is too much air inlet, user can fill in the gaps with plastic materials like plasticine or dough.

5) The pointer of vacuum meter will move to the standard graduated value. After it lasts for a few seconds, no bubble occurring at the tested part within the transparent cover shows that no leakage is present at the tested point. If so, the test result is positive then. In the case that any bubble shows up, it suggests that there is a leakage at that part and it requires being re-welded and re-examined.

6) Press the intake switch on the crate panel to turn on the light. Then the negative pressure will be cleared within the hemispherical transparent cover and the cover can be moved away.

7) Move forward to next testing point and repeat the above steps.

8) After the test is over, lift up the hemispherical transparent cover, wipe clean the seal and cover, switch off the inlet and power, and at last put it back into the tool kit.

Shanghai Pengwang Machinery Co., Ltd.

Address: Building 8, No.1098, Chuansha road, Pudong New Area, Shanghai

Sales phone: +86 15801732387