



**Technical requirement:**

1. Rated Head:  
Drain pump : 1 meter water flow rate  $\geq 20L/min$  ;  
Testing parts use pump lid with  $\geq \varnothing 20$  inlet smooth wall drain pipe to test.
- Testing method drawing:
2. Waterproof testings: The pump shall be no water leakage in 0.03MPa water pressure.
3. Insulation resistance: The insulation resistance shall be  $> 50M\Omega$  at room temperature.
4. Insulation class: F ;
5. Winding temperature: The winding temperature shall be  $\leq 90K$
6. Rotate speed: 3000rpm (50Hz)
7. Low voltage starting: The pump shall start normally with water temperature  $25 \pm 5^\circ$  when 0.85 rated voltage in less than 5 seconds
8. Electric strength: The pump shall be no surface electrical discharges or perforations by applying a voltage 1800V for 1 second between the terminal and silicone steel stack.
9. Materials comply with ROHS requirements