

## **Micro vacuum pump principle**

### **Poems**

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A closed container (initially, the internal pressure is 100KPa), connected to a micro vacuum pump, and continuously pumping it. Finally, the gas pressure in the closed container will be lower than atmospheric pressure and reach an absolute pressure of 60KPa. Not only that, but through special technical improvement, in addition to the single-extracting micro vacuum pump, it can also form a micro vacuum pump for pumping and air pumping (that is, the exhaust end can generate relatively large positive pressure), for boosting, aerating, Overcoming system resistance and so on, as well as a very unique dual-use micro-vacuum pump, it can be used for long-term idling, dry-running, etc., unlike the normal pump idling, or dry rotation will damage the pump.

Just because the suction port or the exhaust port can form a pressure difference with the outside atmosphere, and unlike large vacuum pumps, which require lubricating oil and vacuum pump oil, do not pollute the working medium, and have small size, low noise, and maintenance-free, and can be continuously 24 The advantages of hourly operation, so the micro vacuum pump is used as a power device, widely used in gas sampling, gas circulation, vacuum adsorption, accelerated filtration, automotive vacuum boosting, etc., and has been widely used in medical, health, scientific research, environmental protection and other fields. .

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