

Manual Vacuum Pump VACU-H

1. General information

This equipment is designed to manually generate vacuum in laboratory applications that do not require an electric pump. It is suitable for small-volume vacuum filtration, system leak testing, liquid transfer, and other compatible applications.

Its lightweight and portable design allows it to be easily used in any laboratory without the need for electrical power.

2. Intended Use

The pump is intended for laboratory use only.

It can be used for:

- Vacuum filtration.
- Vacuum generation in small containers.
- Checking the tightness of connections.
- Liquid transfer by vacuum.

It is not designed for:

- Continuous operation.
- Vacuum generation in large volumes.
- Direct suction of liquids into the pump.
- Medical or clinical use.
- Handling of flammable, explosive or highly corrosive gases.

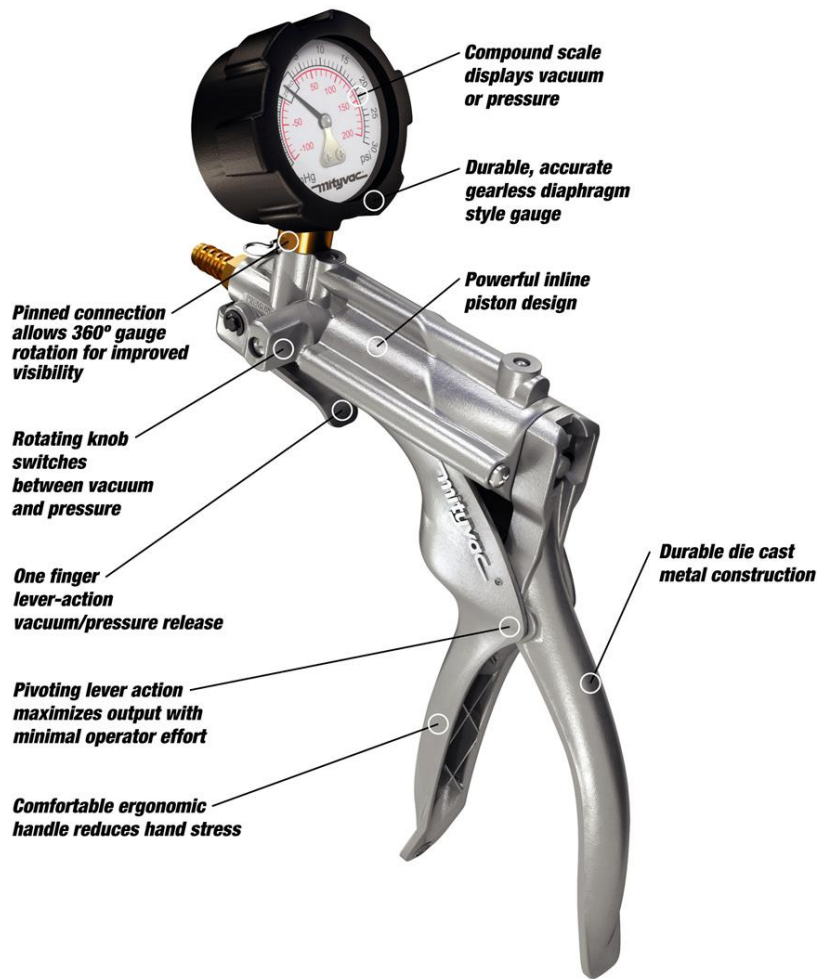
3. Working Principle

By repeatedly actuating the lever, the internal piston displaces air from the connected system, generating a progressive vacuum.

The vacuum level is controlled by the built-in pressure gauge.

A release valve allows the vacuum to be reduced in a controlled manner.

4. Components



5. Technical Specifications

Parameter	Typical Value
Type	Hand pump
Maximum vacuum	625 mmHg
Connection	Tube Ø inner 6 mm
Body Material	Shockproof HP

6. Safety warnings

Read this manual completely before using the equipment.

- Always wear protective glasses.
- Do not vacuum liquids directly without a suitable vacuum trap.
- Do not use the pump with flammable or explosive gases.
- Do not use the pump if there are visible cracks or damage.
- Keep equipment away from sources of intense heat.

7. Installation

1. Connect a **6 mm inner diameter hose** to the vacuum socket of the pump.
2. Connect the other end of the tube to the container or system where you want to generate vacuum.
3. Repeatedly operate the handle until the desired vacuum is reached.
4. On the model with vacuum gauge, check the vacuum level on the indicator.
5. Finally, operate the release valve until the vacuum is completely eliminated.
6. Disconnect the tube.