

**Rocker 400**  
Oil-Free Vacuum Pump



## Important notice

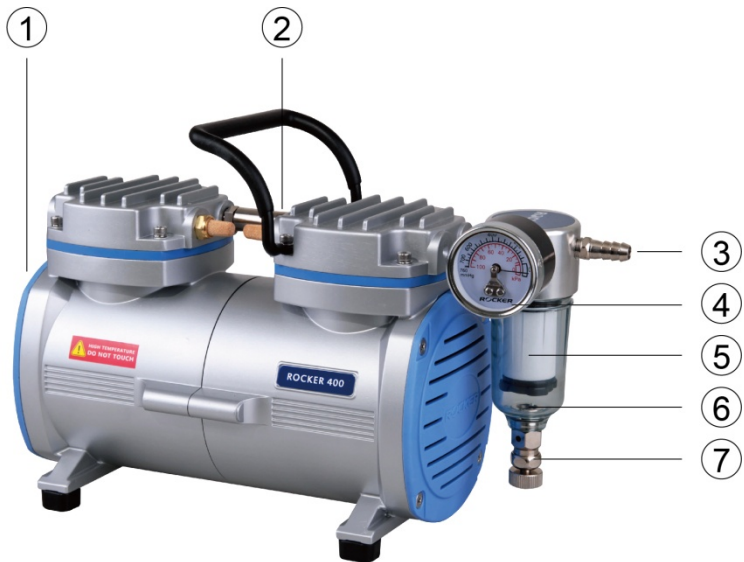
This instrument is designed for laboratory usage only. Please read this manual carefully before installing or operating this equipment. The instrument shall not be modified in any way. Any modification will void the warranty and may result in potential hazard. We are not responsible for any injury or damage caused by any non-intended purposes and modifying the instrument without authorization.

1. Check the voltage specified on the name-plate and ensure it matches the line voltage in your location.
2. The pump is not corrosion-proof. Please do not operate it with corrosive gases directly.
3. Install the instrument in a clean, dust-less and ventilated area under 40°C.
4. The Prote™ filter cartridge can prevent a large amount of liquid from overflowing into the pump. Please ensure the liquid level of flask not exceed safety level. Failure to comply can result in serious damage to the pump and void the warranty. If it occurs, please contact the distributor immediately for service.
5. The filter cartridge is used to absorb moisture and dust. Please replace the cartridge to maintain proper pumping efficiency when it is saturated.
6. To avoid damaging the pump easily, please vent the pump before starting the pump.
7. Don't incline the pump during work to prevent the Prote™ filter cartridge from blocking the air inlet.
8. This pump has a thermal protection device that automatically shuts-off when it becomes overheated.
9. The temperature of the surface of pump is very high after use or during work, please don't touch it to avoid being burnt.
10. Do not use any lubricant, which may damage the pump.
11. Never spray flammable or toxic materials.
12. If the supply cord is damaged, Please contact the manufacturer or your service agent for replacement to avoid hazard.

# Unpacking

When unpacking, notice if the pump is in good situation. If not, please contact the distributor or contact us by e-mail: [export@rocker.com.tw](mailto:export@rocker.com.tw) immediately for assistance.

## Assembly & Disassembly diagram



Position	Designation
1	On/Off switch
2	Muffler (Air outlet)
3	Air Inlet
4	Vacuum Gauge
5	Prote™ filter cartridge
6	Moisture trap
7	Drain valve (Regulator)

## Operation

### Operating procedure

1. Press on/off ① button to activate the pump after making sure all tubing are well connected.
2. To setup vacuum by adjusting the regulator ⑦.

**\* Warning: When pump is used for water filtration, please ensure the liquid level of flask not exceed safety level. Failure to comply could result in serious damage to the pump and void the warranty. If it occurs, please contact the distributor immediately for service.**

## Maintenance

### How to replace cartridge

1. Please replace the cartridge when it is saturated with moisture or particle.
2. Please remove the moisture trap ⑥ by rotating it counterclockwise.
3. Replace the cartridge by the same way.

## Ordering Information

167400-11	Rocker 400 Vacuum pump, AC110V/60Hz
167400-22	Rocker 400 Vacuum pump, AC220V/50Hz
167301-06	Moisture trap / vacuum regulator
167301-07	Prote™ filter cartridge
167300-42	Muffler (Air outlet)
167400-62	Repair kit for Rocker 400