

# ***Instruction Manual***

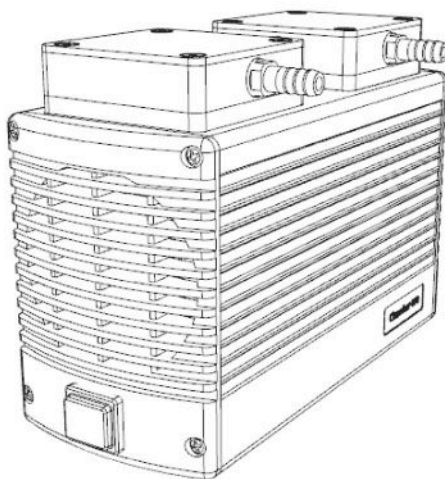
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Chemker 300 / 400 / 410 / 411

Chemker 600 / 610 / 611

Chemical Resistant

Vacuum Pump



## ***ROCKER***

Please read this instruction manual before using this product.

## Important notice

This instrument is designed for laboratory usage only. Please read this manual carefully before installing and 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 voltage specified on name-plate on the bottom. Make sure if it matches the line voltage in your location.
2. Install the instrument in a clean, dust-less and ventilated area under 40°C.
3. To enable suction function, connect the inlet of the pump to the outlet of objective equipment with a high-pressure hose.
4. Never use the pump with any flammable gas or toxic material.
5. When finish pumping, please do not turn off the pump at once and continue to run the vacuum pump for at least two minutes in order to draw out the mist and tiny liquid to prolong the service life of the pump.
6. If the pump does not work when turning on the switch, please release the vacuum and turn-on again. If still fail to start the pump, there may be a problem in the switch or motor, please contact local distributor for help immediately.
7. In case of any damage with the pump, please directly contact local distributor or us for service. Do not repair it by yourself to avoid hazard.

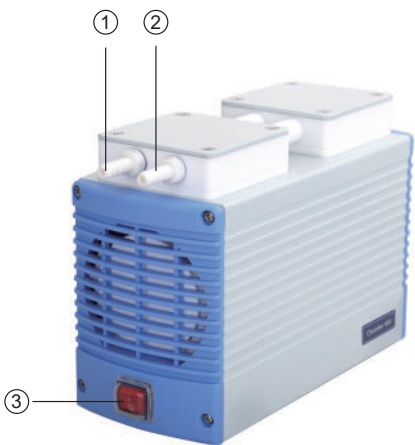
## Unpacking

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.

# Chemker 300 / 400 Main Part Diagram



Chemker 300

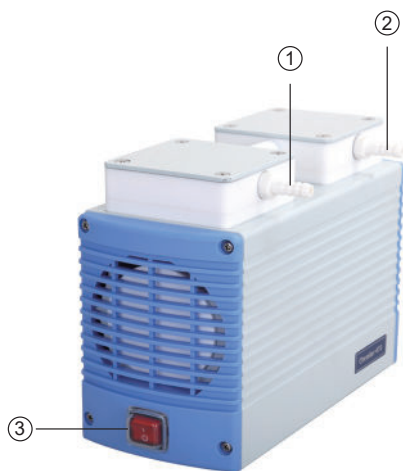


Chemker 400

Model	Position	Designation
Chemker 300	1	Air inlet
	2	Air outlet
	3	On/Off switch

Model	Position	Designation
Chemker 400	1	Air inlet
	2	Air outlet
	3	On/Off switch

## Chemker 410 / 411 Main Part Diagram



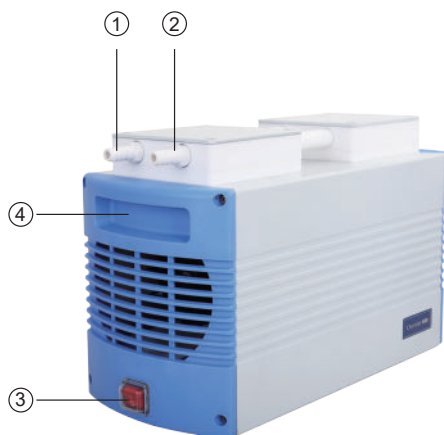
Chemker 410



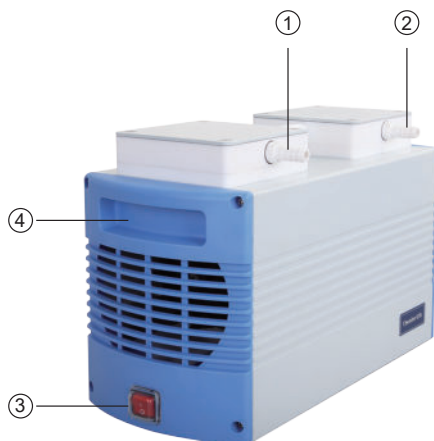
Chemker 411

Model	Position	Designation
Chemker 410	1	Air inlet
	2	Air outlet
	3	On/Off switch
Model	Position	Designation
Chemker 411	1	Air inlet
	2	Air outlet
	3	On/Off switch
	4	Vacuum regulator
	5	Vacuum gauge
	6	Vapor trap

## Chemker 600 / 610 Main Part Diagram



Chemker 600



Chemker 610

Model	Position	Designation
Chemker 600	1	Air inlet
	2	Air outlet
	3	On/Off switch
	4	Handle

Model	Position	Designation
Chemker 610	1	Air inlet
	2	Air outlet
	3	On/Off switch
	4	Handle

# Chemker 611 Main Part Diagram



Chemker 611

Model	Position	Designation
Chemker 611	1	Air inlet
	2	Air outlet
	3	On/Off switch
	4	Handle
	5	Vacuum regulator
	6	Vacuum gauge
	7	Vapor trap

## Operation

### Chemker 300 / 400 / 410 / 600 / 610 Operating procedure

1. Once all tubes have been connected to Inlet ① 、Outlet ② properly, then activate the pumping function by pressing On/Off button ③.
2. To adjust vacuum of the pump, an optional glass vapor trap / vacuum regulator is needed.

### Chemker 411 / 611 Operating procedure

1. Once all tubes have been connected to Inlet ① 、Outlet ② properly, then activate the pumping function by pressing On/Off button ③.
2. A glass vapor trap / vacuum regulator is used to adjust vacuum of the pump.
3. Check liquid level of vapor trap ⑥ daily and drain the liquid when it is up to the neck of bottle.

**\* Warning: When pump is used for aqueous solution 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

1. If the moisture trap is full of liquid more than 70%, please stop doing the experiments immediately and remove the liquid.
2. After finishing the experiment, please remove the liquid in the moisture trap and pumping the air for at least 2 minutes to withdraw the residual steam.

## Ordering Information

169300-11(22)	Chemker 300 Vacuum pump, AC110V,60Hz (AC 220V,50Hz)
169300-62	Chemker 300 repair kit
169400-11(22)	Chemker 400 Vacuum pump, AC110V,60Hz (AC 220V,50Hz)
169400-62	Chemker 400 repair kit
169410-11(22)	Chemker 410 Vacuum pump, AC110V,60Hz (AC 220V,50Hz)
169411-11(22)	Chemker 411 Vacuum pump, AC110V,60Hz (AC 220V,50Hz)
169410-62	Chemker 410/411 repair kit
169600-11(22)	Chemker 600 Vacuum pump, AC110V,60Hz (AC 220V,50Hz)
169600-62	Chemker 600 repair kit
169610-11(22)	Chemker 610 Vacuum pump, AC110V,60Hz (AC 220V,50Hz)
169611-11(22)	Chemker 611 Vacuum pump, AC110V,60Hz (AC 220V,50Hz)
169610-62	Chemker 610/611 repair kit
169311-06	Glass vapor trap / vacuum regulator for Chemker 300 / 400
169411-06	Glass vapor trap / vacuum regulator for Chemker 410 / 411
169611-06	Glass vapor trap / vacuum regulator for Chemker 610 / 611

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