

Infitek

VACUUM PUMPS

Diaphragm Vacuum Pump  
Water Circulating Vacuum Pump  
Oil-free vacuum pump



Infitek

Infitek Co., Ltd.

TEL: +86-531-88982330  
FAX: +86-531-88983691  
Website: infitek.com  
Email: info@infitek.com  
Service: support@infitek.com  
Address: Room 201, Building A, No.1 Qianwan 1st Road, Qianhai  
Shenzhen-Hong Kong Cooperation Zone, Shenzhen (Settled in  
Shenzhen Qianhai Business Secretary Co., Ltd.)

US Office

INFITEK INC.

522W RIVERSIDE AVE STE N,SPOKANE,WA 99201  
EMAIL: INFO@INFITEK.COM



# Diaphragm pump

VACP-D21   VACP-D31   VACP-D51   VACP-D52   VACP-D102



The special electricity motor is provided by the expert motor manufacturer ODM. Reasonable rotation design, equipped with an overheating power-off protector, will automatically power off when the pump body temperature reaches 130°C, and protect the motor from damage during long-term operation.



The pressure adjustable design can meet the vacuum degree and gas flow rate within a certain range.



The bearing adopts imported classic bearings, with stable operation, low noise and high working efficiency.



Adopt frictionless film movement, no heat generation, no friction loss. The diaphragm is made of imported rubber, which is corrosion resistant and has a long service life.



The parts of the anti-corrosion pump in contact with gas are treated with Teflon surface treatment, which is resistant to chemical corrosion.



Automatic cooling and exhaust system, which ensures continuous operation for 24 hours.



Small size, light weight, easy to move, saving laboratory space, convenient for repair and maintenance.



**Optional Accessory:  
Retention Bottle**

VACP-D52, VACP-D102,  
VACP-D31, VACP-D51:



## Specifications

Model	VACP-D21	VACP-D31	VACP-D51	VACP-D52	VACP-D102
Pumping Speed (L/Min)	15	20	30	30	60
Ultimate Vacuum	250mbar	200mbar	200mbar	50mbar	200mbar
Voltage	220Vac,50Hz	220Vac,50Hz	220Vac,50Hz	220Vac,50Hz	220Vac,50Hz
Power	75W	160W	160W	160W	160W
Positive Pressure	≥30Psi	/	≥30Psi	/	≥30Psi
Air Inlet (mm)	φ6	φ6	φ6	φ6	φ6
Air Outlet (mm)	φ6	Silencer Cotton	φ6	Muffler	φ6
Operating Ambient Temperature(°C)	7-40	7-40	7-40	7-40	7-40
Pump Head	/	1	1	2	2
Pump body Temperature(°C)	<55	<55	<55	<55	<55
Dimension(L×W×H) (mm)	245x120x160	270x130x210	230x180x265	350x130x220	310x200x210
Weight(Kg)	4	7	7.5	10	10
Diaphragm	/	Imported Rubber	Imported Rubber	Imported Rubber	Imported Rubber
Valve Plate	/	Imported Rubber	Imported Rubber	Imported Rubber	Imported Rubber
Pump Head Material	Nylon	/	/	/	/
Noise(BD)	<60	<60	<60	<60	<60
Note	Positive-negative pressure dual purpose	/	Positive-negative pressure dual purpose	/	Positive-negative pressure dual purpose



No need for any working medium (no oil), no pollution. The air exchange chamber is equipped with filter materials to ensure the air purity.



Adopt new technology and new materials in the production process. Easy to move and work smoothly, thus ensuring an ideal vacuum degree and a high air flow rate.



# Chemical Resistant Diaphragm Pumps

VACP-D410



### Applications

VACP-Dseries are chemical resistant, diaphragm vacuum pumps which can be widely used to hard acidic, basic and solvent vapors by utilizing corrosion proof PTFE on all the wetted surfaces. Through innovative mechanical technology and human considerations, we have made VACP-D series to be quiet, safe, maintenance-free and cost effective vacuum pumps.



### High chemical resistant

All wetted parts of VACP-D series pump are made of PTFE material which can resist most of corrosive gases.



### No air pollution, maintenance free

VACP-D series pumps are driven by Diaphragm, without the need of lubricant, regular oil changes and maintenance; with no oil pollution.



### Quiet and low vibration

Driven direct by motor with no additional belt-driven transmission; the quality vibration-proof assembly makes VACP-D series run at the lowest noise level among all other equivalent pumps.



### Thermal protection device

Every motor of VACP-D series pumps has a built-in thermal protection device to shut off the pump automatically when overheated and then resume working when the temperature cools down.

## Specifications

Model	VACP-D410	
Power	115V/ 60Hz	220V/ 50Hz
Max. power (W)	90	95
Max. current (A)	1.4	0.5
Max. vacuum (mbar)	13	13
Max. Flow Rate (L/min)	25	25
Motor Speed (rpm)	1700	1450
Work Mode	Double	Double
Outlet (mm)	10	10
External Dimension (W*D*H)(mm)	294*156*195	294*156*195
Noise Level (dB)	50	50
Order No.	169410	169410
Package Dimension (W*D*H)(mm)	350*250*290	350*250*290
N.W./G.W.(kg)	8.5/9.2	8.5/9.2



# Bench Water Circulating Vacuum Pump

VACP-WC3Y



## Features

Water Circulating Vacuum Pump takes circulating water as working fluid to create negative pressure by fluid jet. It can provide negative pressure condition for the processes of evaporation, distillation, crystallization, drying, sublimation, pressure-reducing filtration and so on, particularly be suitable for labs and small scale test of

industries such as universities and colleges, scientific research institutes, chemical industry, pharmacy, biochemistry, foodstuff, pesticide, agricultural engineering, biological engineering.



PTFE spray jets



PTFE spray nozzle



Fluoroelastomer tube

Spray Paint Teflon (PTFE) plus FV Rubber on the ejector and suction nozzle. Hose is made of fluorine rubber.

Better corrosion resistance and more reliability and longer service life.

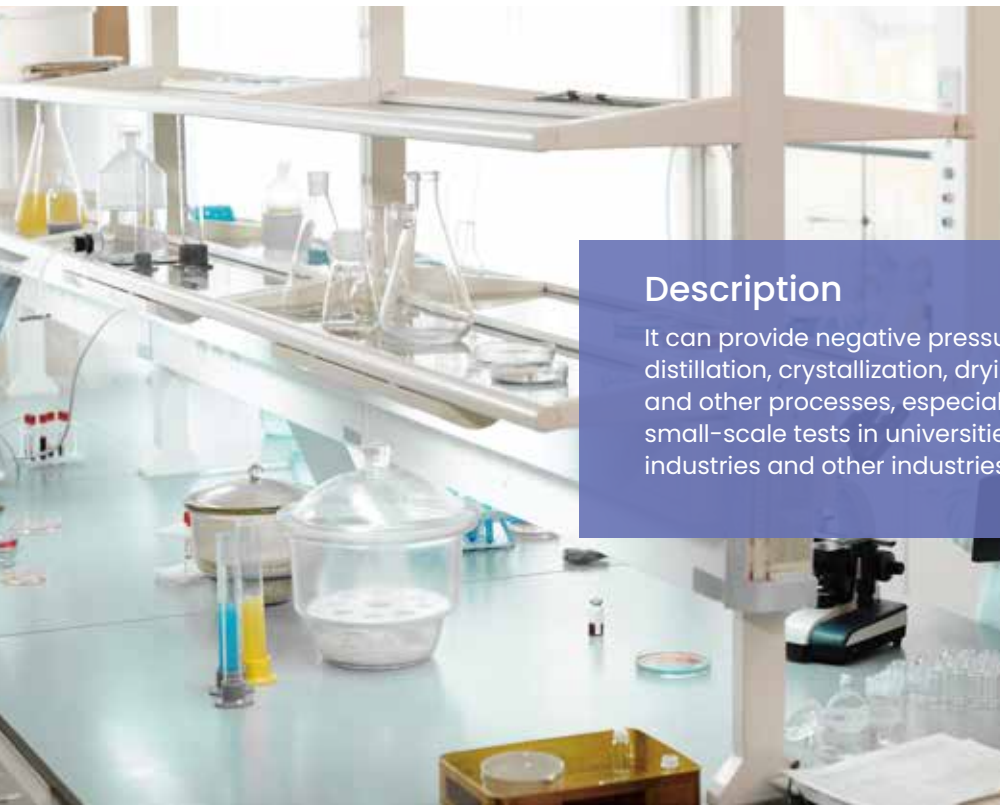
## Specifications

Model	VACP-WC3Y
Power	180W
Power supply	220V
Flow	60L/MIN
Lift	8M
Material	Anti-corrosive
Tap	2
Tapping capacity	10L/MIN
Volume	15L
Size	400*280*420
Weight	15KG



# Water Circulating Vacuum Pump

VACP-WC95A



### Description

It can provide negative pressure conditions for evaporation, distillation, crystallization, drying, sublimation, vacuum filtration and other processes, especially suitable for laboratories and small-scale tests in universities, research institutes, chemical industries and other industries.

### Features



#### Obvious water saving effect

The water added in the water tank can be recycled, which overcomes the phenomenon of wasting a lot of water when the vacuum is obtained by directly flushing tap water.

It can be used for a long time after adding water once, especially suitable for laboratories with insufficient water source or water pressure.



#### Multi-function

In addition to providing vacuum conditions, this machine can also perform external circulation operations at the same time to provide circulating cooling water for the reaction device.

The machine is connected to the tap water source, and the temperature and water quality of the vacuum circulating water can be kept unchanged under the condition of continuous operation for a long time by supplementing the water injection source in an appropriate amount.



#### Energy efficient & Easy to use

The pump head of this machine is directly intruded into the water, easy to move, easy to operate and observe, and can be opened for water filling and maintenance.

The machine is equipped with five suction nozzles, which can work independently or simultaneously.

Corrosion-resistant, pollution-free, convenient and durable, not affected by corrosive substances such as acid and alkali, and does not produce any oil, impurities, etc. that pollute the laboratory.

### Specification

Model	VACP-WC95A
Water Tank Capacity	50L
Flow	80L/min
Number of Tap	5
Single Tap Air Suction Amount	10L/min
Lift	12m
Material	Stainless steel
Electricity	220V
Power	370W
Dimensions(W*D*H)	450*340*870mm
Package Dimension (W*D*H)	740*610*1170mm
N.W./ G.W.(kg)	35/40kg

