

## Frequency conversion Chemical Resistant Vacuum Systems C980VEF



- > A new generation of intelligent vacuum technology, modular design, integrating variable frequency pumps and control units, compact design, light weight. It can adjust the speed of the diaphragm pump by frequency conversion motor and controller, control the vacuum pressure more accurately.
- > PID Self-tuning for vacuum control, the controller automatically changes the PID value according to the artificial intelligence logic algorithm, accurately adjusting the motor speed and stabilizing the precise vacuum degree.
- > This series of chemical resistant vacuum pumps are suitable for the treatment of corrosive gases in the chemical, pharmaceutical, petrochemical and other industries, such as extraction, vacuum distillation, rotational evaporation, vacuum concentration, centrifugal concentration, solid phase extraction and other uses.
- > All parts in contact with gas and condensate are made of high-quality PTFE, the gas chamber and drive chamber are separated and sealed to ensure a long life of the mechanical parts
- > Overheat protection, automatic shutdown when the temperature is too high, and automatic start when it back to the normal temperature, to ensure the security and stability of the system.

## Features

- > Vacuum stability, easy to control, high control precision
- > Excellent chemical and vapor resistance
- > In the high vacuum degree, the performance is still very good
- > Long life, simple and convenient for maintenance
- > Simple and convenient to work in a stable and lasting way
- > Small structural size, energy conservation and environmental protection
- > High level of protection for motor, suitable for various environments

## Application

- > Vacuum distillation for large volume
- > Large capacity reaction kettle
- > Large capacity vacuum filtration
- > Vacuum enrichment
- > Vacuum drying
- > Various applications in the semiconductor industry

## Standard Configuration:

Vacuum Pump System, Filter Cup and filter cartridge

## Specifications

Model	C980VEF
Power (W)	400
Resolution	0.1mbar
Setting range	0.1-1000mbar
Max. vacuum (mbar)	< 1
Max. Flow Rate (L/min)	40
Motor Speed (rpm)	1380(50Hz)/1680(60Hz)
Number of Stages	Four
Outlet (mm)	10
Size W x D x H (mm)	220*400*495
Weight (kg)	25
Noise Level (dB)	50
Order No.	169980C-22

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