

Frequency Conversion Chemical Resistant Vacuum Systems C960TEF



Integrated variable frequency controller

- > 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



Pumps



Rotary Evaporators



Stirrers



Heating



Shakers



Incubators



Homogenizers



Reactors



Gas Generators

WIGGENS GmbHWiescher Str. 11a, 42277 Wuppertal, Germany | Phone: +49 202 373 29 58-0 | Fax: +49 202 373 29 58-9 | eusupport@wiggins.com

Ust-IdNr.: DE319012835 | HRB 34379 , Wuppertal

Volksbank pur EG | IBAN DE31 6619 0000 0029 6388 70 | BIC GENODE61KA1

www.wiggins.com

- > 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:



The vacuum system integrated variable frequency controller, and also includes vacuum trap, regulator and vacuum gauge (Order No. 169311-06)

Specifications

Model	C960TEF
Order No.	169960C
Flow rate [m ³ /h] at atm. pressure	3.6
Flow rate [l/min] at atm. pressure	60
Ultimate vacuum [mbar abs.]	< 2
Vacuum setting range [mbar abs.]	0.1~1000
Max. Power P [W]	400
Motor speed [rpm] @50Hz	0~1380
Motor speed [rpm] @60Hz	0~1680
Pump head	Triple stage
Hose connections [mm]	10
IP code	IP20
Noise [dB]	50
Dimensions W x H x D [mm]	220×400×495
Weight [kg]	21.5
Power supply	200 - 240V, 50/60Hz



Pumps



Rotary Evaporators



Stirrers



Heating



Shakers



Incubators



Homogenizers



Reactors



Gas Generators

WIGGENS GmbH

Wiescher Str. 11a, 42277 Wuppertal, Germany | Phone: +49 202 373 29 58-0 | Fax: +49 202 373 29 58-9 | eusupport@wiggins.com

Ust-IdNr.: DE319012835 | HRB 34379, Wuppertal

Volksbank pur EG | IBAN DE31 6619 0000 0029 6388 70 | BIC GENODE61KA1

www.wiggins.com