



## KLABS Vacuum Controller



The VC-50 vacuum controller is based on vacuum applications and provides solutions for all vacuum processes, suitable for various industries such as chemical, pharmaceutical, petrochemical and material industries.

### Covers all common vacuum processes

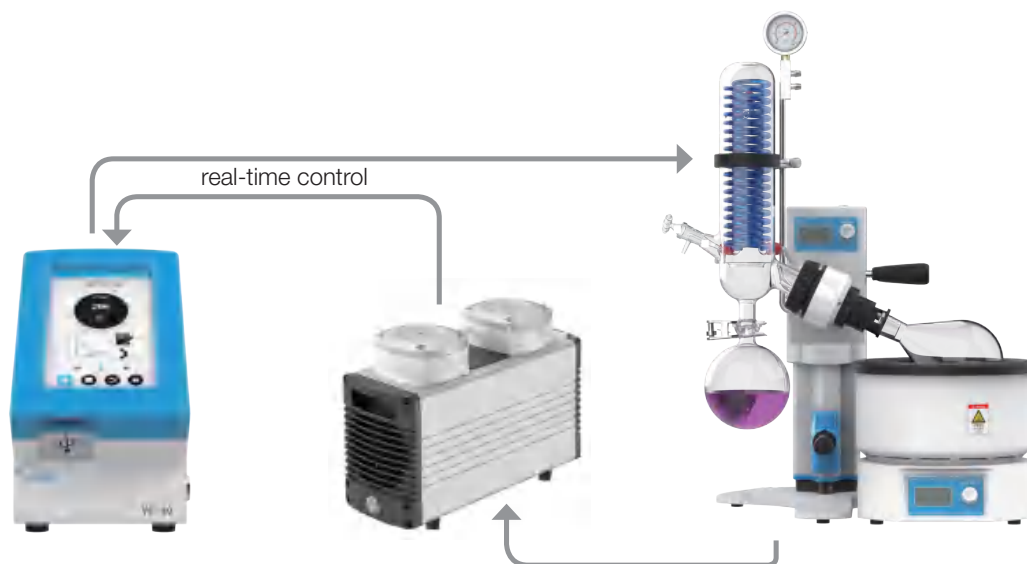
- The VC-50 vacuum controller can be used not only with V series corrosion resistant diaphragm pumps, but also in laboratory vacuum systems for all applications.

### Chemical resistant

- Like the V series corrosion resistant diaphragm pumps, the VC-50 vacuum controller is made of PTFE and the electrical switch housing is corrosion resistant, making it perfectly suited for corrosive environments.

### Advantages

- Precise control of the vacuum level, ensuring long-term stable operation of the vacuum system.
- Significantly shortens the experimental time and ensures efficient operation of the sample in a weak boiling state.
- Automated process operation, end of set-up, no guarding.
- Reduction of sample foaming and boiling, reducing the risk of sample loss.
- The ability to detect the initial boiling point of an unknown solvent, control and maintain of a stable pressure.



## Technical Specifications

Model	VC-50
Control range	0 - 760mm Hg (Torr), 0 - 1013 hPa (Mbar)
Measuring principle	Ceramic diaphragm (alumina), capacitive, gas type independent, absolute pressure
Measuring range	0 - 800mm Hg (Torr), 0 - 1066 hPa (Mbar)
Control mode	Fixed value automatic control, preset program automatic control (Solenoid valve switch)
Screen display	LCD
Steam measurement range	-20 – 150°C (Steam temperature sensor connected)
Vacuum connector	8mm PTFE joint
Ambient temperature ( operating )	10 – 40°C
Shell material	Chemical corrosion-resistant plastic housing
Dimension ( L×W×H )	190×105×180mm