



# VC 900

## VACUUM PUMP CONTROLLER

- Easy control of vacuum application
- Simple, intuitive interface
- Enables consistent, reliable vacuum repeatability
- Four operating modes

# VC 900 VACUUM CONTROLLER

VC 900 is a versatile vacuum controller. It easily integrates with any laboratory diaphragm pump or house vacuum source, making operation of laboratory vacuum applications simpler, safer, and more consistent and reliable than ever. The VC 900 can be operated in four different modes:

- **EVACUATE:** Allows for rapid evacuation while clearly displaying the pressure. When connected to a variable-speed KNF pump, the VC 900 controls the pump speed, optimizing pump performance for your particular application.
- **PRESSURE CONTROL:** Allows the user to select the desired system pressure.
- **AUTOMATIC:** For use with a KNF variable-speed pump. The VC 900 automatically finds the vapor pressure of the sample and adjusts the pump performance accordingly.
- **FUNCTION:** System pressure is controlled according to a user-defined pressure curve. Up to 10 different curves can be stored. When connected to a variable-speed KNF pump the VC 900 controls the pump speed for optimal performance.

Lab personnel can easily operate the VC 900 vacuum pump controller using the touch display and rotary/push knob. A mini-USB interface allows for PC control.



Pair a VC 900 vacuum controller with a KNF LABOPORT® pump, or any manufacturer's laboratory diaphragm pump.

The VC 900 consists of an interface operating unit that enables users to input the various parameters and observe system performance. Its touchscreen display and rotary/push knob are intuitive and easy to use. An adjustable stand allows the operating unit to be positioned for optimal bench-top viewing, or it can be mounted to a wall. A separate control unit connects to the operating unit and contains the vacuum hose connections, inert gas connection, pressure sensor, vacuum valve, and ventilator valve.

For more information, visit [www.knfusa.com/vc900](http://www.knfusa.com/vc900).

## SPECIFICATIONS

| OPERATING UNIT   |   |
|--|---|
| Measurement Accuracy                                   | ±1 mbar                                     |
| Measuring Limit  | upper: 1100 mbar abs.<br>lower: 0 mbar abs. |
| Interface  | Mini-USB                                    |
| Dimensions W x D x H (mm)                              | 181 x 101 x 67                              |
| CONTROL UNIT   |   |
| Hose Connections:<br>- for gas in/out<br>- for venting | 3/8", PVDF<br>1/8", nickel-plated brass     |
| Dimensions W x D x H (mm)                              | 155 x 60 x 109                              |
| OTHER DATA   |   |
| Operating Temperature                                  | 10° C to 40° C                              |



KNF variable-speed N 902 G pump—when paired with a VC 900 controller—enables variable evacuation capacity and automatic vapor pressure sensing.

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