



Laboratory Vacuum Pump Systems with **Wireless Remote Control**

Quiet, Intuitive Interface, Oil-Free

for rotary evaporators, vacuum ovens, concentrators

maintenance-free, no oil or water needed

accommodates 250 mL to 20 L flasks

always consistent, repeatable results

compatible with most solvents

improved solvent recovery

low energy consumption

20 and 50 L/min models

data tracking and logging



SC920

SC950

Wireless Vacuum Pump Systems

Quiet, **reliable** oil-free system for rotary evaporators, vacuum ovens

These advanced vacuum systems feature powerful pumping speeds and a 1.5 Torr end vacuum for shorter processing time with a wide range of solvents. Because the pumping speed is completely adjustable, flask sizes up to 20L can be accommodated. The precision sensing system prevents bumping and maintains consistency for all vessel sizes.

This new system combines KNF's latest diaphragm pump technology with a smart microprocessor control and an efficient motor, saving you time, building energy, and money, while protecting the environment.

Four operating modes provide ultimate flexibility for many laboratory applications, and are controlled from the handheld wireless remote terminal or via a USB control interface on your PC computer:

- vessel evacuation at variable pumping speed
- maintains constant vessel pressure control
- determines automatic solvent vapor pressure
- your custom-programmed time-pressure curve

This wireless remote allows you to control these systems without opening your hood sash, saving HVAC energy and minimizing risk.

The pump is driven by a speed-controlled DC motor that is constantly adjusted by smart internal control electronics.

This translates to minimal mechanical wear, and less noise, energy, heat and system maintenance.

- **steady vacuum assures repeatable results**
- corrosion-resistance handles most solvents
- **clean, oil-free, uncontaminated vacuum**
- no aspirator or oil waste to dispose of
- **reliable, maintenance-free design**
- easy to setup/simple to use

An inlet separator and liquid-cooled outlet condenser are included to recover solvent, which helps keep the lab atmosphere clean. The system can handle gases and vapor temperatures within a +5°C to +40°C range.

Available Systems

Model Number	Capacity L/min	Vacuum abs. Torr (mbar)	System Dimensions H x W x D in. (cm)	Weight lbs. (kg)
SC920	20	1.5 (2)	16.6 x 14.4 x 11.6 (42.3 x 36.6 x 29.4)	33 (15)
SC950	50	1.5 (2)	19.2 x 9.7 x 12.3 (19.2 x 9.7 x 12.3)	32 (14.5)

Specifications - All Models

Power	100-240 VAC, 50-60 Hz, 1.7 A.	Ambient Temp. Range	+5°C to +40°C	Heads.....	PPS
Hose Connector	³ / ₈ " (10mm) ID Hose	Medium Temp. Range	+5°C to +40°C	Diaphragms.....	PTFE
Coolant Connector	¹ / ₄ " (8mm) ID Hose	Accessory	Coolant Valve	Valves.....	FFPM

You should always check corrosion-resistance charts for compatibility with the chemicals used in your laboratory. KNFLab® and LABOPORT® are registered trademarks of KNF Neuberger GmbH. Specifications subject to change without notice. Other LABOPORT® vacuum pump types available. Visit www.knflab.com for details and a list of distributors.

With the SC systems' wireless controller, you stay safe behind the sash while adjusting the system.



Contact KNF or your favorite lab equipment distributor.

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