

# N 920 Vacuum Pump

## Three-head diaphragm pump with high suction pumping speed

### Technical features:

- **Innovative diaphragm stabilization system** for optimized suction speed, especially for low absolute pressures
- **AC version** with automatic electrical power matching from 90-264 V, 50 and 60 Hz
- **Motor speed controlled** by external analog signal or potentiometer (Options)
- **Integrated block connection** of pump heads replaces conventional pneumatic connections
- **Uncontaminated pumping and evacuation**
- **Excellent long-term stability of vacuum**
- **High gas tightness**,  $6 \times 10^{-3}$  mbar x l/s
- **Motor runs cool**, with outstanding efficiency

### Performance Data:

<b>Suction speed:</b>	<b>up to 1,3 m<sup>3</sup>/h</b> at atm. pressure and 1500 RPM
<b>Ultimate vacuum:</b>	<b>&lt; 1,5 mbar absolute</b>

### Pump versions:

- **Portable version** (see photograph and scale drawing)
- **OEM version** with DC or AC power connection



## KNF diaphragm vacuum pump N 920 with new technology

The powerful diaphragm vacuum pump N 920 is especially well suited for all applications requiring excellent suction speed at low absolute pressures. A series of technical innovations, including the diaphragm stabilization system, allows the high suction speeds of the N 920 especially in the low-vacuum range.

As an option, this pump is available with a potentiometer or external signal input. This makes it possible to adjust the pump's flow rate, and to tailor it to the requirements of a process.

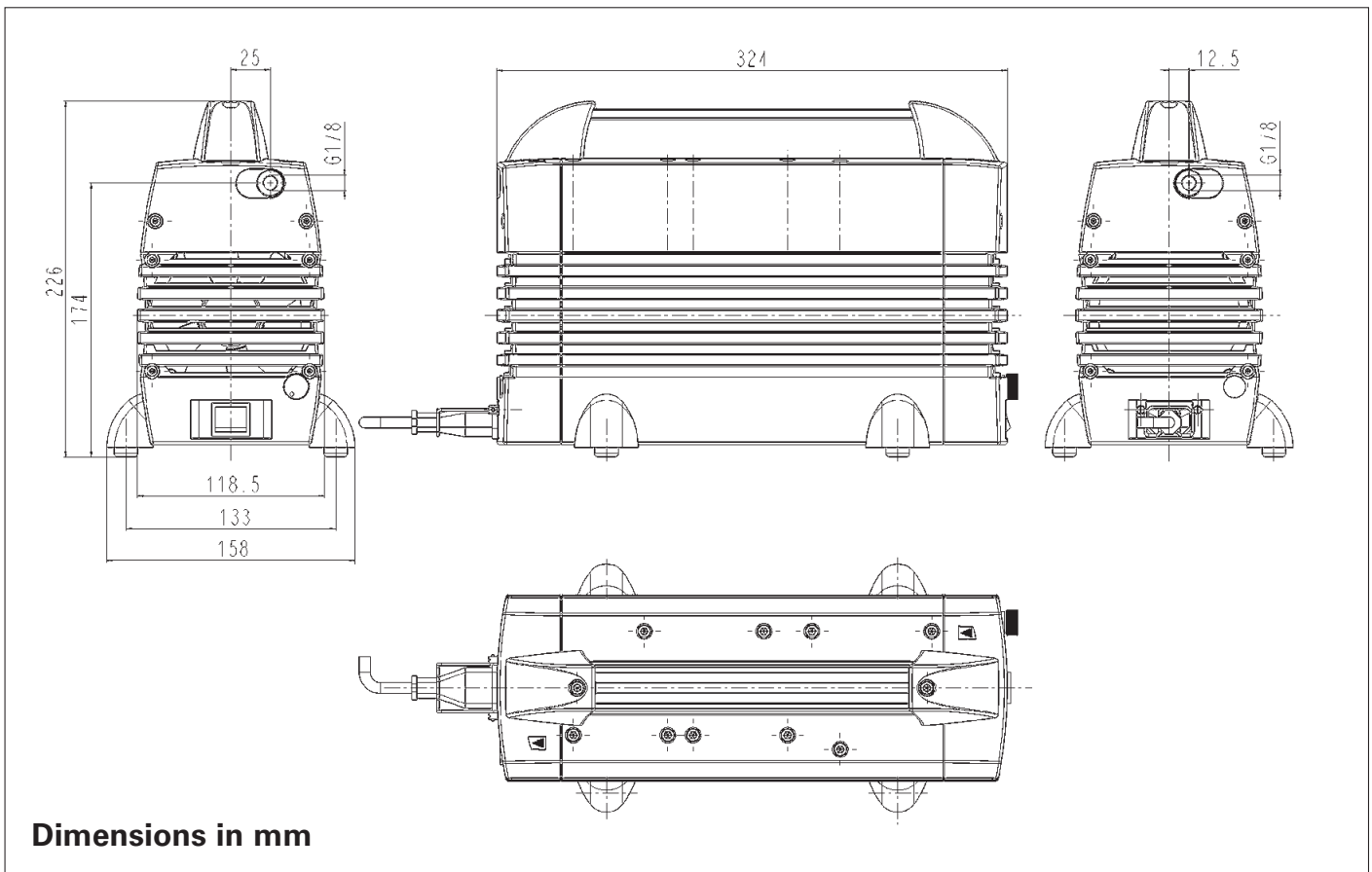
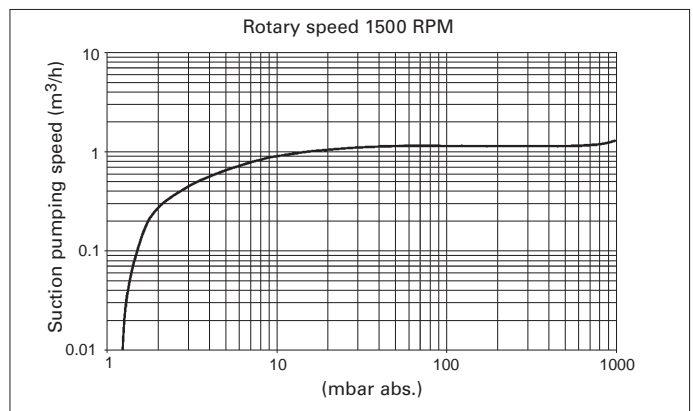
### Accessories

**Small flange SF 16  
Silencer**

### Technical data

Suction speed:	1.3 m <sup>3</sup> /h at 1500 RPM
Delivery:	21 l/min
Ultimate vacuum:	< 1.5 mbar absolut
Weight:	10 kg
<b>Motor:</b>	<b>brushless DC motor</b>
Motor power:	max. 120 W (at ultimate vacuum < 35 W)
Motor voltage:	24 V DC (BLDC)
Operating current:	max. 5 A
Power connection:	AC from 90-264 V, 50/60 Hz
Operating current:	1.3 A
Protection class:	IP 20

### Suction pumping speed (m<sup>3</sup>/h)



**Dimensions in mm**