



## **Multi-Stage Diaphragm Pump with High Suction Pumping Speed**

### **N920 Series Vacuum Pump**

optimized suction speed at low absolute pressure

adjustable speed control

no oil or water needed

corrosion-resistant wetted parts

integrated, gas-tight interconnections

universal power supply input

ultimate vacuum 1.5 Torr

flow range 21 L/min

compact, quiet running



# N920 Series Vacuum Pump

Excellent suction speeds at low absolute pressures

The powerful N920 diaphragm vacuum pump uses a series of KNF technical innovations, including our diaphragm stabilization system that makes it well-suited for all applications requiring high suction speed at low absolute pressures, in a compact size. Models feature an external control knob that alters pump speed, allowing you to adapt the pump's flow rate to the requirements of a specific process. The KT version is available for more corrosive gases and vapors.

Typical applications include rotary evaporation, centrifugal concentration and distillation.

An OEM version is available for use in analyzers and as a roughing pump for turbomolecular systems. An analog signal input for external control is available as an option.

- adjustable speed for variable performance
- oil-free, non-contaminating vacuum source
- optimized performance at low pressures
- gas tight to  $6 \times 10^3$  mbar x L/s
- very quiet operation
- energy efficient brushless dc motor
- universal power supply input

## Pump Selection Chart

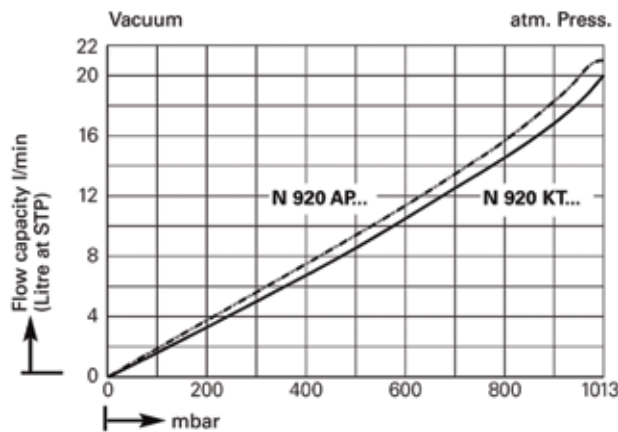
Chemical Duty Models	Flow L/min	End Vacuum mbar abs. (Torr)	Wetted Materials Head - Diaphragm - Valves	Max Pressure bar g (psig)
<b>N920KT.29.18</b> (adjustable speed)	max 20	2.0 (1.5)	PPS - PTFE-coated - FFPM	0.5 (7)
<b>Standard Duty Models</b>				
<b>N920AP.29.18</b> (adjustable speed)	max 21	2.0 (1.5)	Aluminum - EPDM - EPDM	0.5 (7)

You should always check corrosion-resistance charts for compatibility with the chemicals used in your laboratory. Standard continuous performance ratings listed above are per head and are based on technical data and test results of nominal units at sea level at 70° F (21° C) and nominal electrical supply. Dimensions and performance characteristics given are for reference only, and are subject to change without notice. Visit [www.knfusa.com](http://www.knfusa.com) for details and a list of distributors.

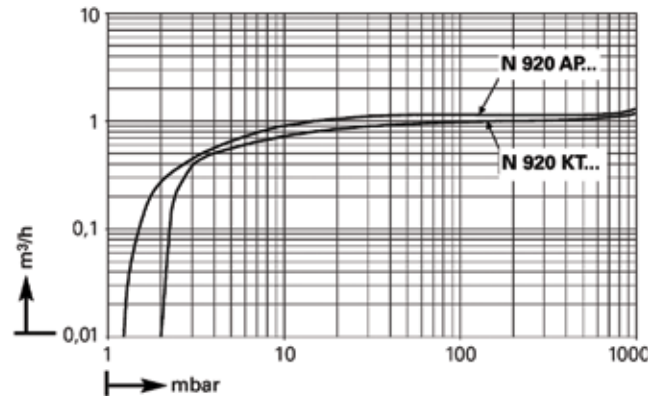
## Specifications - All Models

Voltage Range . . . . . 90-264 VAC 50-60 H Max Power . . . . . 135 Watts Motor Protection . . . . . IP20 w/thermal switch  
 Max gas temperature . . . . . +5 to +40°C Max Weight . . . . . 22 lb (10 kg) Barb connector (supplied) . . . . . 3/8" ID tubing

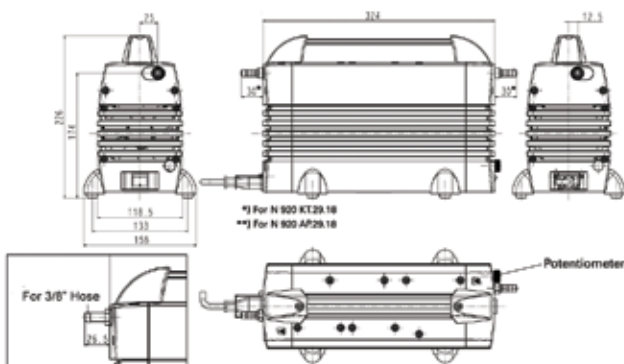
Performance characteristics at maximum motor speed



Suction pumping speed at maximum motor speed



## Dimensions (mm)



Contact KNF or your favorite lab equipment distributor.

**KNF NEUBERGER, INC.**  
 Phone: 609-890-8600  
[www.knfusa.com](http://www.knfusa.com)

