



first class pumps for first class science

Multi-Stage Diaphragm Pump with High Suction Pumping Speed N920 Series

optimized suction speed at low absolute pressure

adjustable speed control

clean, oil-free pump operation

corrosion-resistant wetted parts

integrated, gas-tight interconnections

universal power supply input

ultimate vacuum 1.5 mbar

flow range 2 l LPM

compact, quiet running



N920 Series

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 slightly aggressive or 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 in turbomolecular systems. An analog signal input for external control is available as an option.

- adjustable speed for variable performance
- oil-free, no contaminating vacuum source
- optimized performance at low pressures
- gas tight to 6×10^3 mbar x l/s
- very quiet operation
- energy efficient brushless dc motor
- universal power supply input

Selection Chart

Chemical Duty Models	Flow LPM	End Vacuum mbar abs.	Wetted Materials Head - Diaphragm - Valves	Max Pressure bar g (psig)	List Price
N920KT.29.18 (adjustable speed)	max 20	2.0	PPS - PTFE-coated - FFPM	0.5 (7)	Call KNF
Standard Duty Models					
N920AP.29.18 (adjustable speed)	max 21	1.5	Aluminum - EPDM - EPDM	0.5 (7)	Call KNF

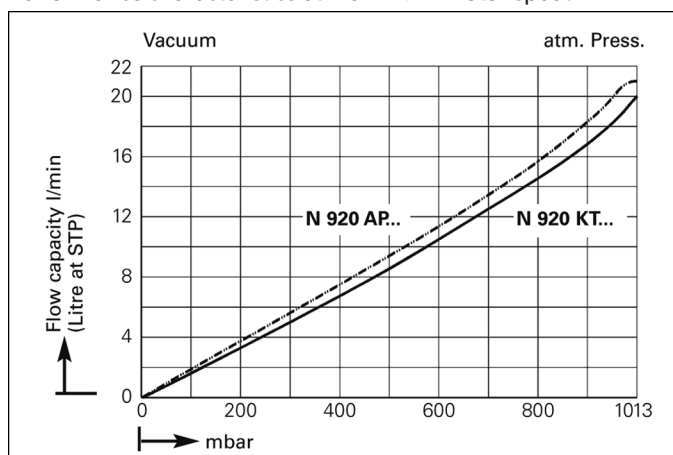
You should always check corrosion-resistance charts for compatibility with the chemicals used in your laboratory. Standard continuous performance ratings listed above are per head and are based on technical data and test results of nominal units at sea level at 70° F (21° C) and nominal electrical supply.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

Specifications - All Models

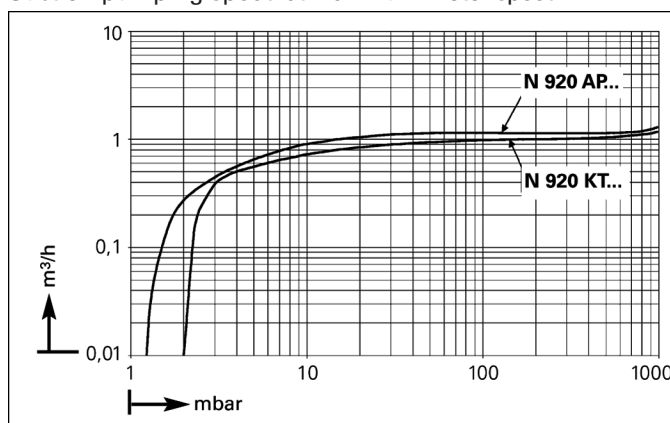
Voltage Range 90-264 VAC 50-60 H Max Power 135 Watts Motor Protection IP20 w/thermal switch
 Max gas temperature +5 to +40°C Max Weight 22 lb (10 kg) Barb connector (supplied) 3/8" ID tubing



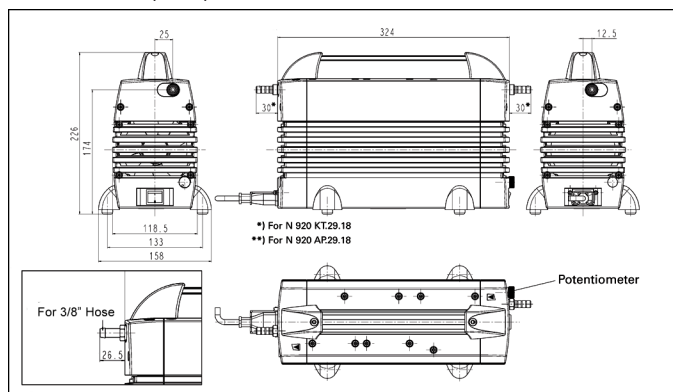
Performance characteristics at maximum motor speed



Suction pumping speed at maximum motor speed



Dimensions (mm)



To buy, call KNF at 609-890-8600 or your favorite lab equipment distributor.

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