

Diaphragm Pumps for Air, Gases and Vapors

INNOVATIVE
TECHNOLOGY
WORLDWIDE



Diaphragm Pump Model N920AP.29.18, N920KT.29.18

Diaphragm Vacuum Pumps

KNF Stabilization System Adjustable Flow Rate

Technical features:

- 100% oil-free transfer
- Pure transfer, evacuation and compression
- KNF Stabilization System, allows high suction speed even in the low-vacuum range
- Version for slightly aggressive or corrosive gases and vapors
- Maintenance-free, environmentally friendly
- Universal power requirements
- Gastight, leakage rate approx. 6×10^{-3} mbar x l/s, not tested in serial production.

Clean, oil-free diaphragm vacuum pumps of the N920 series are popular in laboratories for a wide range of applications. They pump and evacuate without contaminating the medium.

The high-performance N920 vacuum pumps are ideally suited for all applications that need high suction power yet low absolute pressures. A number of technical innovations, including a diaphragm stabilization system, enables strong suction performance, especially in the low vacuum range.

An integrated potentiometer makes it easy to select the desired pumping rate by selecting the appropriate speed, so the pump can adapt to the requirements of a particular process. An analog signal input for external control is available as an option.

Technical data:

	N920AP.29.18	N920KT.29.18
Delivery (l/min) ¹⁾	max. 21	max. 20
Ultimate vacuum (mbar abs.)	1.5	2.0
Operating pressure (bar g)	0.5	0.5
Connectors for tube (mm)	ID 9	ID 9
Permissible gas and ambient temperature	+5...+40 °C	
AC Volts/Hz	90-230 V / 50-60 Hz	
Motor protection	IP 20	
Power P ₁	120 W	135 W
Operating current	1.3 A	1.4 A
Weight	10.5 kg	8.6 kg
Dimensions LxHxW (mm)	324/226/158	
Thermal switch	Yes	

Motors with other voltages and frequencies on request.

¹⁾ at atm. pressure

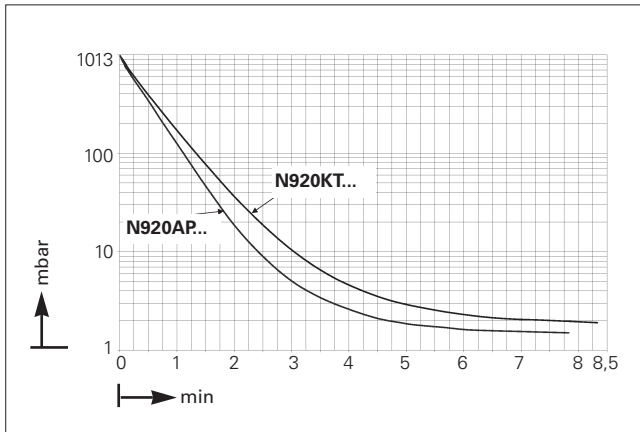
Material in contact with the pumped media

Type/OrderNo.	Pump head	Diaphragm	Valves
N920AP.29.18	Aluminium	EPDM	EPDM
N920KT.29.18	PPS	PTFE-coated	FFPM

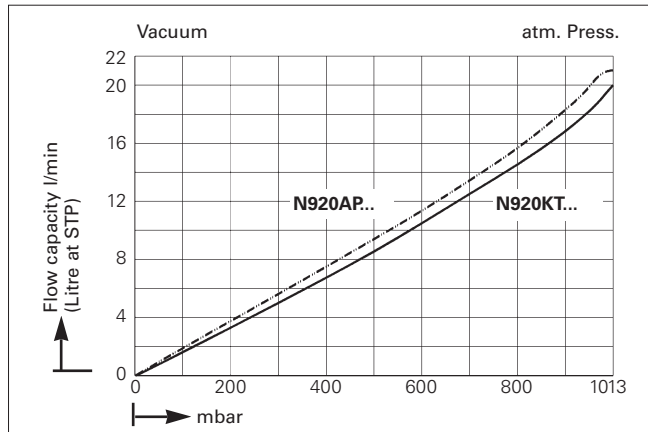
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Dimensions and performance characteristics

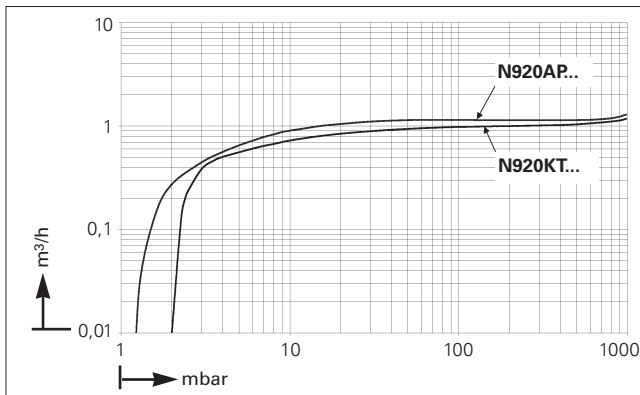
Pump down time for 10 l receiver (at max. motor speed)



Performance characteristics (at max. motor speed)



Suction pumping speed (at max. motor speed)



Dimensions (mm)

