

Diaphragm Pumps for Air, Gases and Vapors

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NEUBERGER, INC.



Series LABOPORT® N820ANP Pumps

LABOPORT® Diaphragm Vacuum Pumps

Technical features:

- 100% oil-free transfer
- Pure transfer, evacuation and compression
- Highly compatible with vapors and condensation
- For slightly aggressive or corrosive gases and vapors
- Maintenance-free
- Environmentally friendly
- Gastight, leakage rate approx. 6×10^{-3} mbar x l/s, not tested in serial production.

Series N 820 diaphragm pumps are single-head, dry-running devices used in a wide range of laboratory applications. They transfer and pump down without contamination.

The heart of these very compact pumps is a KNF structured diaphragm. This patented diaphragm was stress-optimized using the Finite Elements method. As a result, we were able to make the pumps smaller while increasing the service life of the diaphragm.

The pumps are available in various versions differing in the materials which contact the media.

Technical data:	N820ANP	N820ANP
Delivery (l/min) ¹⁾	22	20
Ultimate vacuum (mbar abs.)	100	100
Operating pressure (bar g)	1	1
Connectors for tube (mm)	ID 9	ID 9
Permissible gas and ambient temperature	+5...+40 °C	+5...+40 °C
Voltage/Frequencies	115V/60Hz	115V/60Hz
Motor protection	IP 44	IP 44
Power P ₁	130 W	130 W
Operating current	0.9 A	0.9 A
Weight	7.1 kg	7.1 kg
Dimensions LxHxW (mm)	261/204/110	261/204/110
With thermal switch and power fuse		

Motors with other voltages and frequencies on request.

Material in contact with the pumped media

Type/OrderNo.	Pump head	Diaphragm	Valves
N820ANP	Aluminium	CR	NBR
N820ATP	Aluminium	PTFE-coated	FFPM

¹⁾ at atm. pressure

Accessories

Description	Details	Order No.
Silencer	G 1/4	007007
Hose connector	G 1/4, PVDF, AD 10 mm	004658

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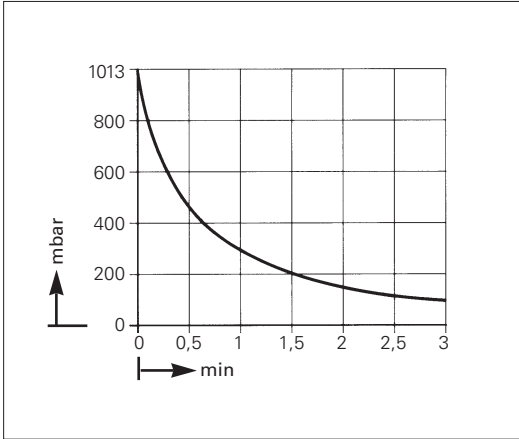
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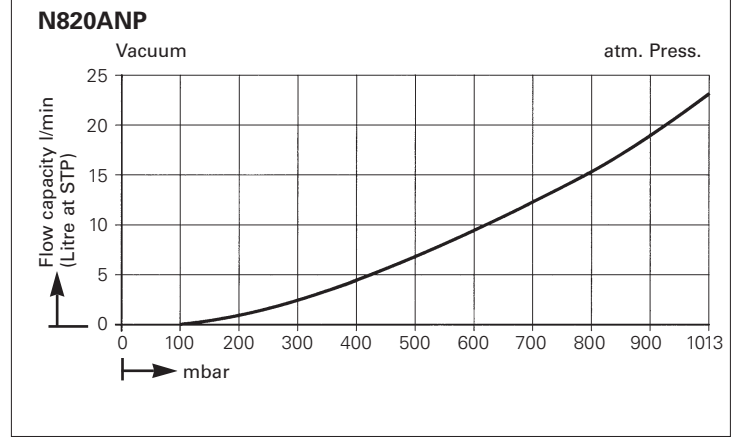
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Dimensions and performance characteristics

Pump down time for 10 l receiver



Performance characteristics



Dimensions (mm)

