



## Diaphragm Pumps for Air, Gases and Vapors



### LABOPORT® Mini Diaphragm Vacuum Pumps and Compressors

#### Technical features:

- 100% oil-free transfer
- Pure transferring, evacuation and compression of gases
- Version for slightly aggressive or corrosive gases and vapors
- Maintenance-free
- Environmentally friendly
- High level of gas tightness.

#### Series LABOPORT® N 811 KNP, N 811 KTP Pumps

Series N 811 diaphragm pumps are single-head, dry-running devices used in a wide range of laboratory applications. They transfer, compress 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:	N 811 KNP	N 811 KTP
Delivery (L/min) <sup>1)</sup>	11.5	11.5
Ultimate vacuum (Torr)	180	218
Operating pressure (psig)	30	30
Connectors for tube (in. ID)	1/4	1/4
Permissible gas and ambient temperature	+5...+40 °C	+5...+40 °C
Mains	115V/60Hz	115V/60Hz
Motor protection	IP 20	IP 20
Power P <sub>1</sub>	65 W	65 W
Operating current	1.6 A	1.6 A
Weight	5.52 lbs.	5.52 lbs.
Dimensions L x H x W (mm)	187/157/90	187/157/90

With thermal switch and power fuse

Motors with other voltages and frequencies on request.

<sup>1)</sup> at atm. pressure

#### Material in contact with the pumped media

Type/Order No.	Pump head	Diaphragm	Valves
N 811 KNP*	PPS	EPDM	FPM
N 811 KTP	PPS	PTFE-coated	FFPM

#### Accessories and spare parts

Description	Details	Order No.
Silencer	G 1/8	000345
Filter	G 1/8	000346
Hose connector	G 1/8, PVDF, for tube ID 1/4"	014052
Fine control valve with pressure gauge	pressure side	001786
Fine control valve with vacuum gauge	suction side	001787
Spares kit	for N 811 KNP	044066
Spares kit	for N 811 KTP	044067
*N 811 KNP also available as portable, field version	with 12V DC power cord	PJ26078-811

Delivery: 11 L/min flow

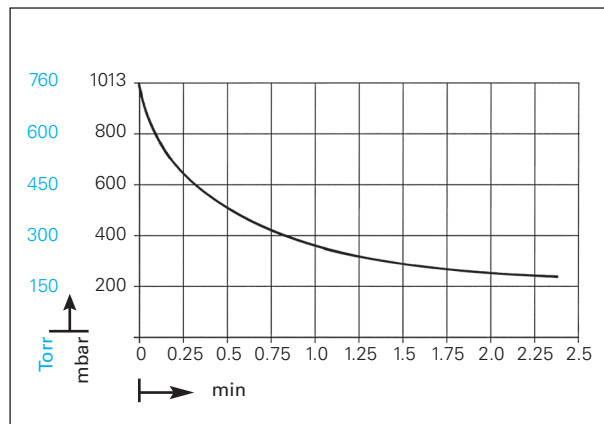
Ultimate vacuum: 75 Torr (100 mbar)



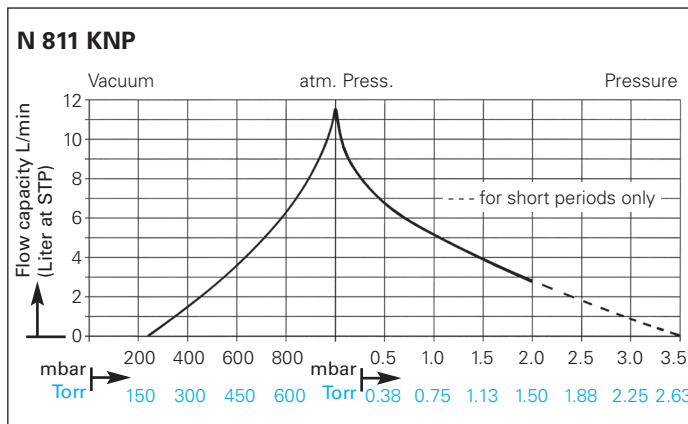
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## Dimensions and performance characteristics

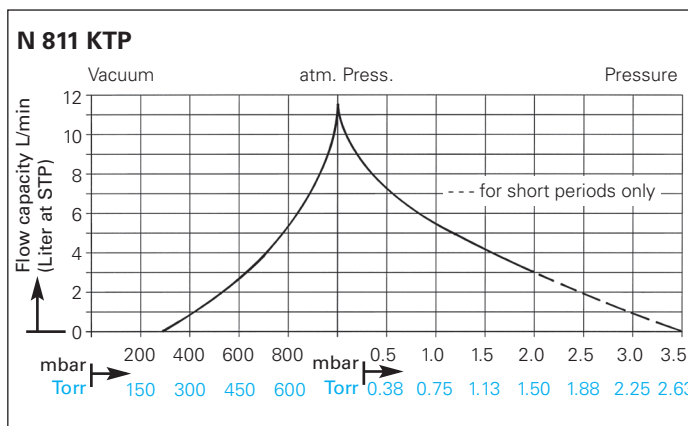
Pump down time for 5 L receiver



Performance characteristics



Performance characteristics



## Dimensions (mm)

