



LABOPORT® Filtration Pump N 811 KVP, N 811 KV.45P

Series N811 diaphragm pumps are single-head, dry-running devices used in a wide range of laboratory applications. They transfer, evacuate 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.

Material in contact with the pumped media

Type/OrderNo.	Pump head	Diaphragm	Valves
N 811 KVP	PPS	PTFE-coated	FPM

LABOPORT® Mini Diaphragm Vacuum Pump

Technical features:

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

Technical data:

N 811 KVP All Models

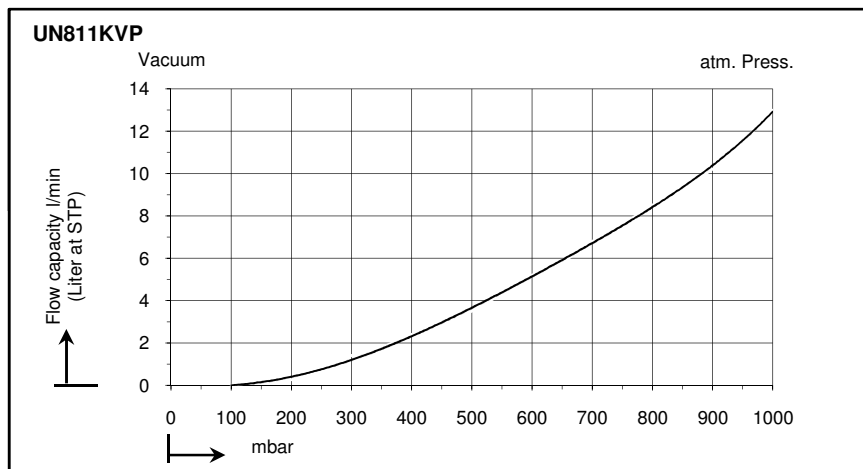
Delivery (l/min) ¹	13
Ultimate vacuum (Torr)	75
Operating pressure (psig)	7.4
Connectors for tube (in. ID)	1/4
Permissible gas and ambient temperature	+5...+40 °C
Mains	115V/60Hz
Motor protection	IP 20
Power P ₁	100 W
Operating current	0.9 A
Weight	2.5 kg
Dimensions LxHxW (mm)	187/157/90
With thermal switch and power fuse.	

Motors with other voltages and frequencies on request. Specify N811KV.45P for vacuum gauge package.

¹⁾ at atm. pressure

Dimensions and performance characteristics

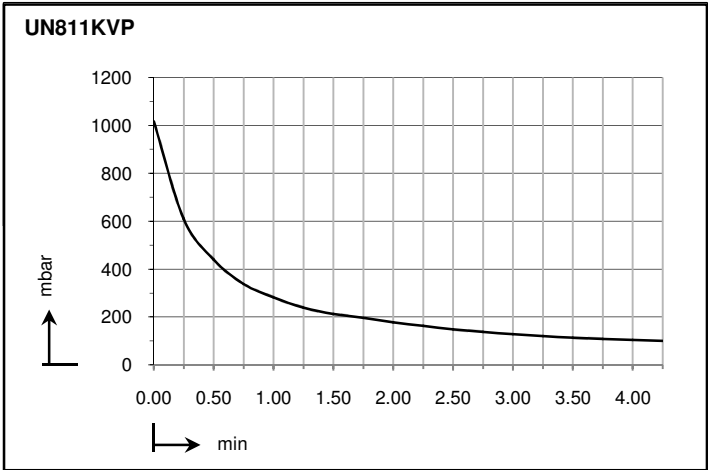
Performance characteristics



Diaphragm Pumps for Air, Gases and Vapors

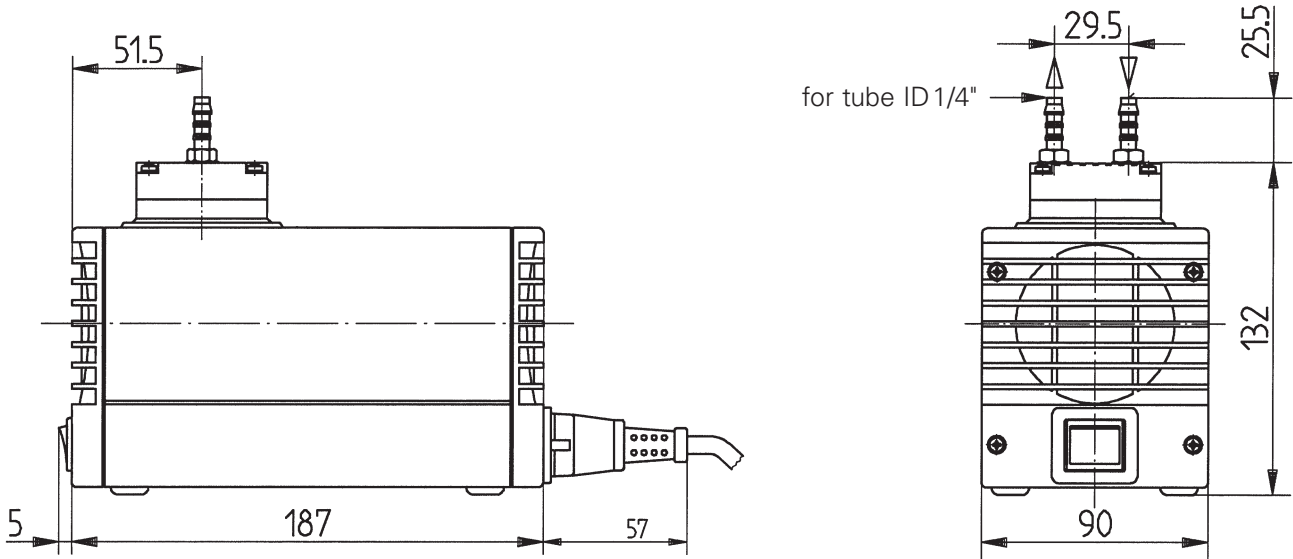


Pump down time for 5L receiver



Dimensions (mm)

For models with .45 (vacuum) gauge package, add approx. 60 mm to height shown.



Accessories and spare parts

Description	N 811 KV.45P		N 811 KVP	
	Details	Order No.	Details	Order No.
Silencer	G 1/8	000345	1/8 NPT	072233
Filter		000346		
Hose Connector	G 1/8, PVDF, AD 6mm	014052	1/8 MPTM, 1/4 HID	072235
Fine control valve with pressure gauge	pressure side	on request	pressure side	on request
Fine control valve with vacuum gauge	suction side	on request	suction side	on request
Spares Kit	Diaphragm, Valveplates	074178	Diaphragm, Valveplates	074178