

Diaphragm Pumps for Air, Gases and Vapors

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KNF
NEUBERGER, INC.



Serie LABOPORT® N842.3FT.18 Pump

LABOPORT® Diaphragm Vacuum Pump

Technical features:

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

The chemically-resistant serie N842.3 diaphragm pump is a double-head, dry-running device used in a wide range of laboratory applications. They transfer and pump down without contamination.

The heart of this very compact pump 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 pump smaller while increasing the service life of the diaphragm.

Technical data: **N 842.3 FT.18**

Delivery (l/min) ¹⁾	34
Ultimate vacuum (mbar abs.)	2
operating pressure (bar g)	1
Connectors for tube (mm)	ID 10
Permissible gas and ambient temperature	+5...+40 °C
Voltage/Frequencies	115V/60Hz
Motor protection	IP 44
Power P ₁	245 W
Operating current	1.8 A
Weight	13.4 kg
Dimensions	
LxHxW (mm)	341/223/167
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
N842.3FT.18	PTFE	PTFE-coated	FFPM

¹⁾ at atm. pressure

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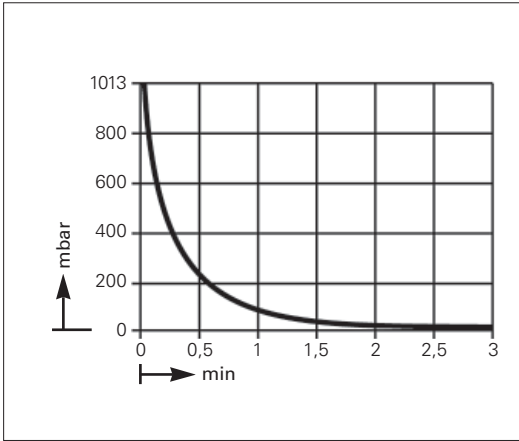


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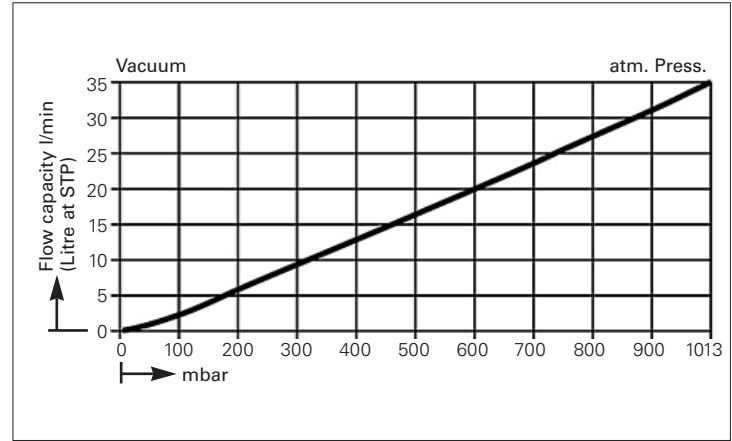


Dimensions and performance characteristics

Pump down time for 10 l receiver



Performance characteristics



Dimensions (mm)

