

# Diaphragm Pumps for Air, Gases and Vapors

INNOVATIVE  
TECHNOLOGY  
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## LABOPORT® N842.3FTP 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 vapors
- Maintenance-free
- Environmentally friendly
- Gastight, leakage rate approx.  $6 \times 10^{-3}$  mbar x l/s, not tested in serial production.

The chemically-resistant series N842.3 diaphragm pump is a double-head, oil-free 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:

### N842.3FTP

Delivery (l/min) <sup>1)</sup>	34
Ultimate vacuum (Torr)	1.5
Operating pressure (psi)	15
Connectors for tube (in.)	ID 3/8"
Permissible gas and ambient temperature	+5...+40 °C
Voltage/Frequencies	115V/60Hz
Motor protection	IP 44
Power P <sub>1</sub>	290 W
Operating current	3.2 A
Weight	27 lbs.
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

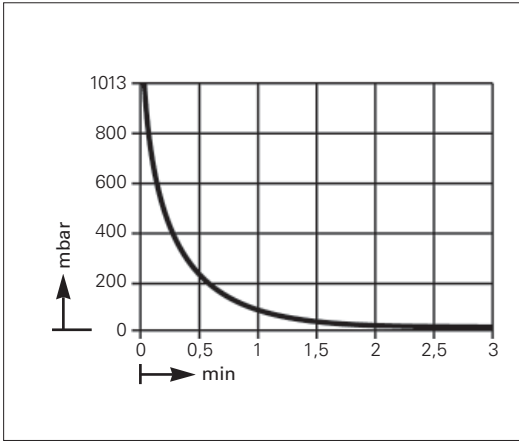
Type/OrderNo.	Pump head	Diaphragm	Valves
N842.3FTP	PTFE	PTFE-coated	FFPM

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

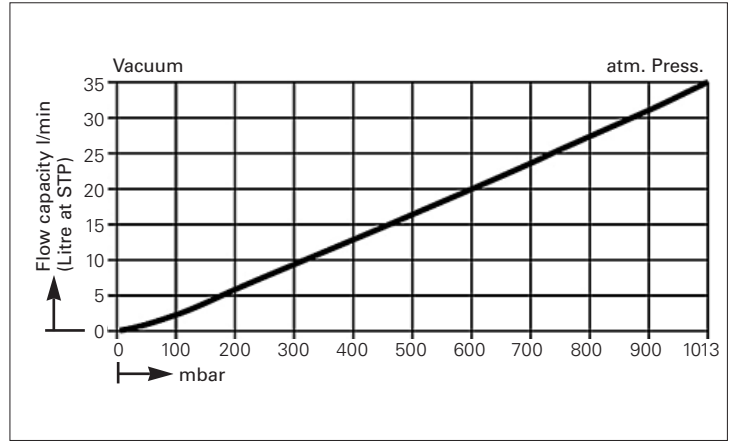
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## Dimensions and performance characteristics

Pump down time for 10 l receiver



Performance characteristics



## Dimensions (mm)

