



LABOPORT® Series N840.1.2FTP Pump

The chemically-resistant N840.1.2FTP diaphragm pump is a two-stage, oil-free device used in a wide range of laboratory applications. These pumps 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 and improving performance.

Material in contact with the pumped media

Type/Order No.	Pump head	Diaphragm	Valves
N840.1.2FTP	PTFE	PTFE-coated	FFPM

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 x 10⁻³ mbar x l/s, not tested in serial production.

Technical data:	N840.1.2FTP	
Delivery (I/min) ¹⁾	65	
Ultimate vacuum (Torr)	68	
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 ₁	280 W	
Operating current	4.2 A	
Weight	27 lbs.	
Dimensions		
LxHxW (mm)	341/226/160	
With thermal switch and power fuse		

Motors with other voltages and frequencies on request.

¹⁾ at atm. pressure

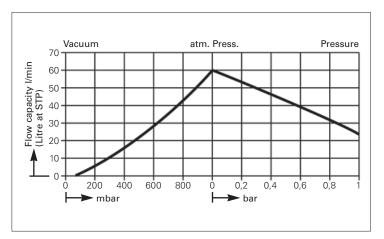
Diaphragm Pumps for Air, Gases and Vapors

Dimensions and performance characteristics

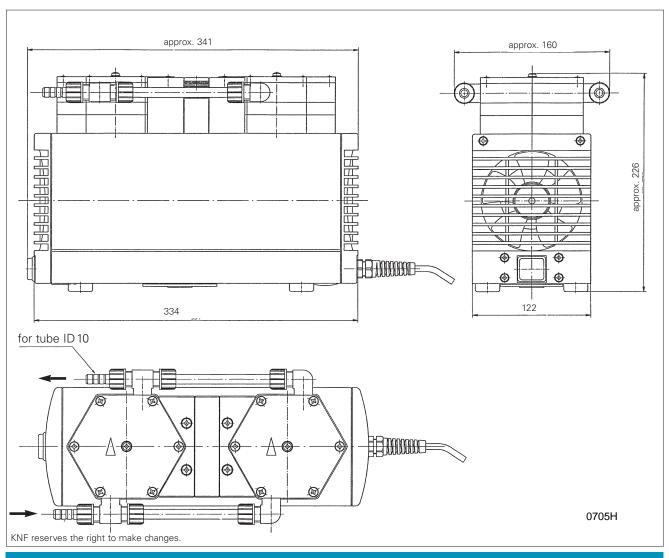
Pump down time for 10 I receiver

1013 800 600 400 200 0 0,25 0,5 0,75 1 1,25

Performance characteristics



Dimensions (mm)



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