



Diaphragm Pumps for Air, Gases and Vapors



LABOPORT® Chemically-resistant Diaphragm Vacuum Pumps

Technical features:

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

Series LABOPORT® N 840 FTP, N 840.3 FTP Pumps

The chemically-resistant series N 840 and N 840.3 diaphragm pumps are single- and double-head, dry-running devices used in a wide range of laboratory applications. They transfer 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.

Material in contact with the pumped media

Type/Order No.	Pump head	Diaphragm	Valves
N 840 FTP	PTFE	PTFE-coated	FFPM
N 840.3 FTP	PTFE	PTFE-coated	FFPM

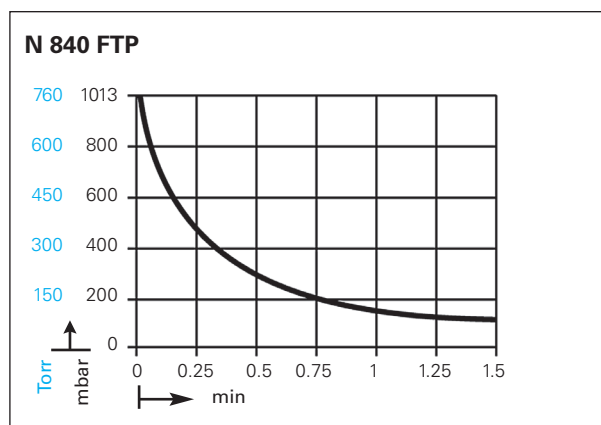
Technical data:	N 840 FTP	N 840.3 FTP
Delivery (L/min) ¹⁾	34	34
Ultimate vacuum (Torr)	75	6
Operating pressure (psi)	15	15
Connectors for tube (in.)	ID 3/8"	ID 3/8"
Permissible gas and ambient temperature	+5...+40 °C	+5...+40 °C
Voltage/Frequencies	115V/60Hz	115V/60Hz
Motor protection	IP 44	IP 44
Power P ₁	220 W	280 W
Operating current	3.2 A	4.2 A
Weight	22 lbs	27 lbs
Dimensions L x H x W (mm)	297/226/171	341/226/166
With thermal switch and power fuse		

Motors with other voltages and frequencies on request.

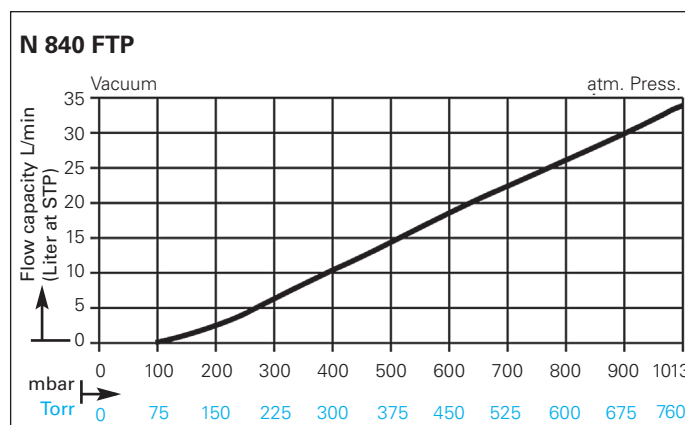
¹⁾ at atm. pressure

Dimensions and performance characteristics

Pump down time for 10 L receiver

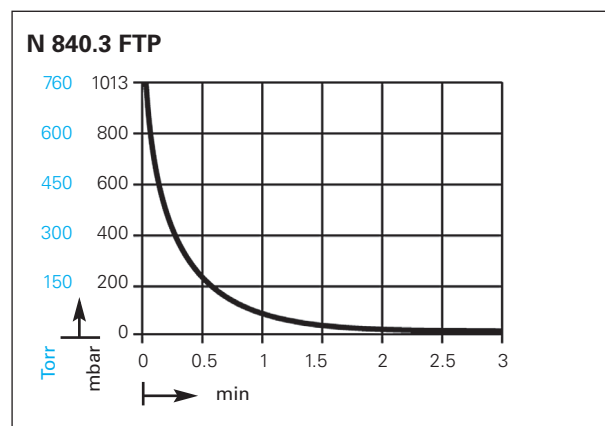


Performance characteristics

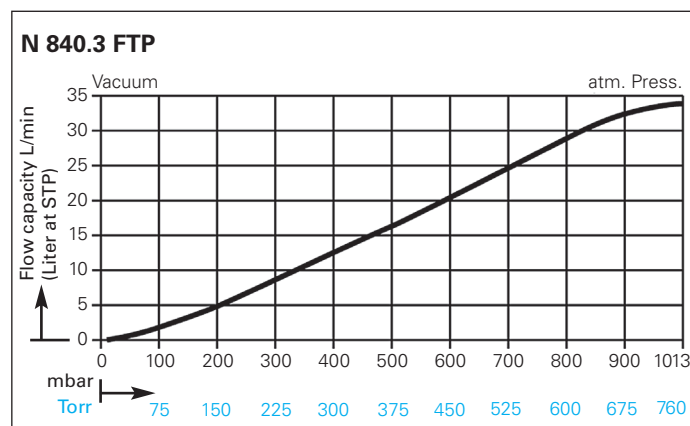




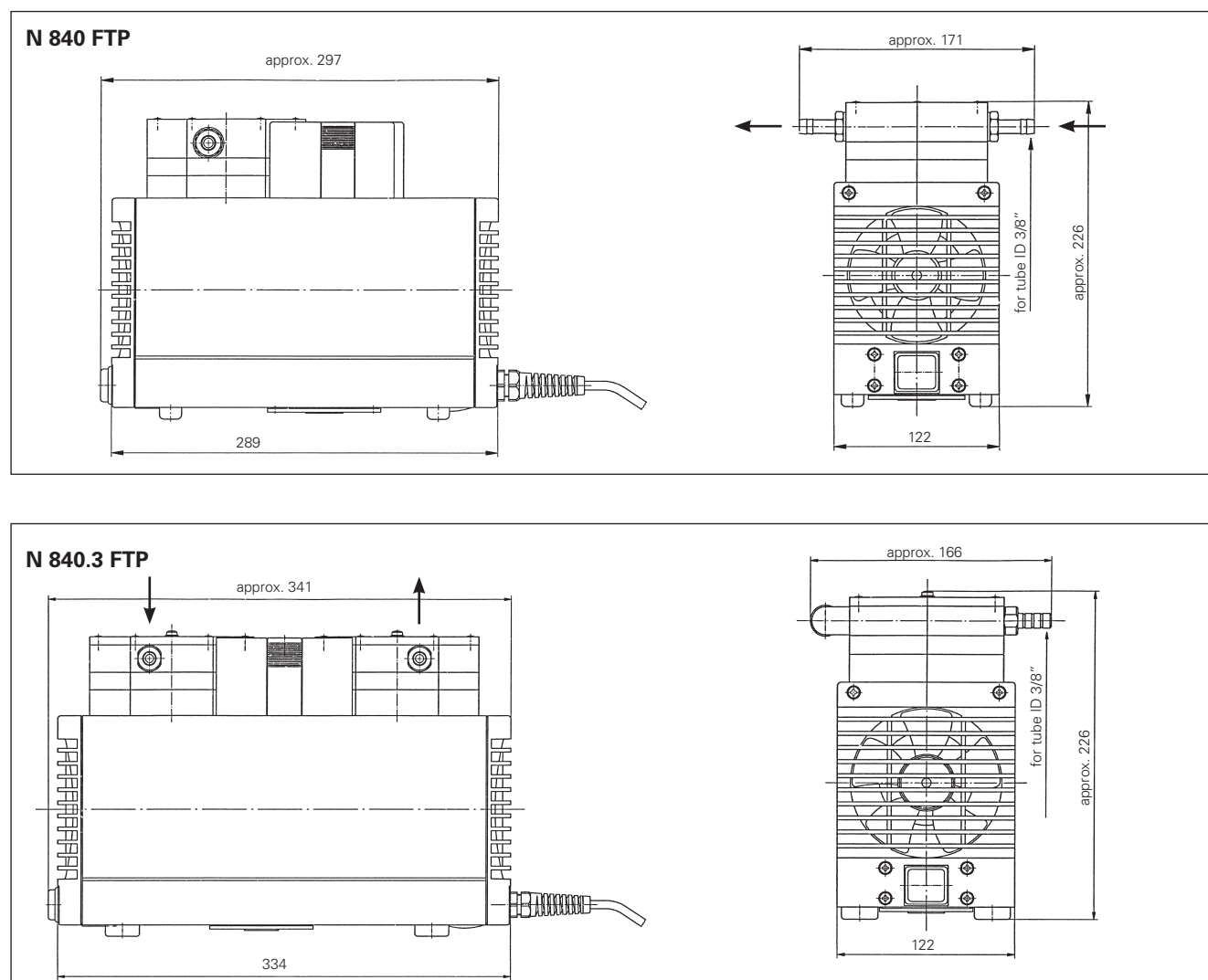
Pump down time for 10 L receiver



Performance characteristics



Dimensions (mm)



Spare parts

Description	Details	Order No.
Spares kit	for N 840 FTP	072780
Spares kit	for N 840.3 FTP	072780 (x2)