



Diaphragm Pumps for Air, Gases and Vapours



LABOPOINT® Chemically-resistant Diaphragm Vacuum Pumps

Technical features:

- 100% oil-free transfer
- Pure transferring and evacuation of gases
- Highly compatible with vapours 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.
- ATEX compliant according to ATEX II 2G IIB+H2 T3X internal atmosphere only

Series LABOPOINT® N 840 FT.18 Pumps

The chemically-resistant series N 840 diaphragm pumps are single-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 FT.18	TFM™ PTFE	PTFE-coated	FFPM

Technical data:

N 840 FT.18

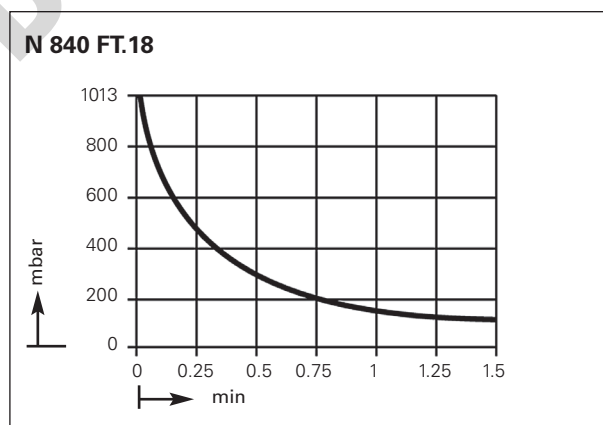
Delivery (l/min) ¹⁾	34
Ultimate vacuum (mbar abs.)	100
Operating pressure (bar g)	1
Connectors for tube (mm)	ID 10
Permissible gas and ambient temperature	+5...+40 °C
Mains	230V/50Hz
Motor protection	IP 44
Power P ₁	180 W
Operating current	1.5 A
Weight	10.3 kg
Dimensions L x H x W (mm)	297/226/171
With thermal switch and power fuse	

Motors with other voltages and frequencies on request.

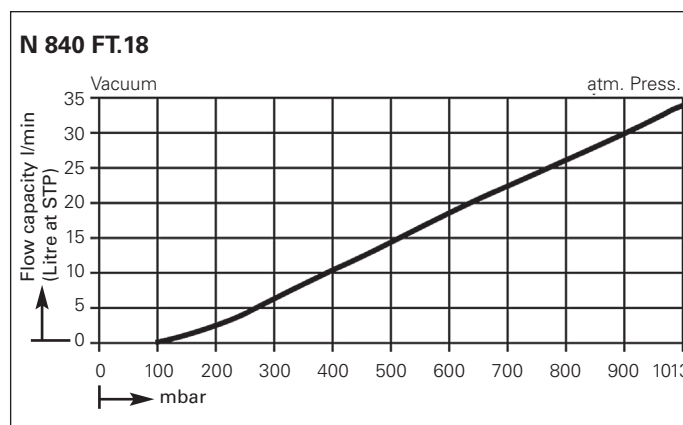
¹⁾ at atm. pressure

Dimensions and performance characteristics

Pump down time for 10 l receiver

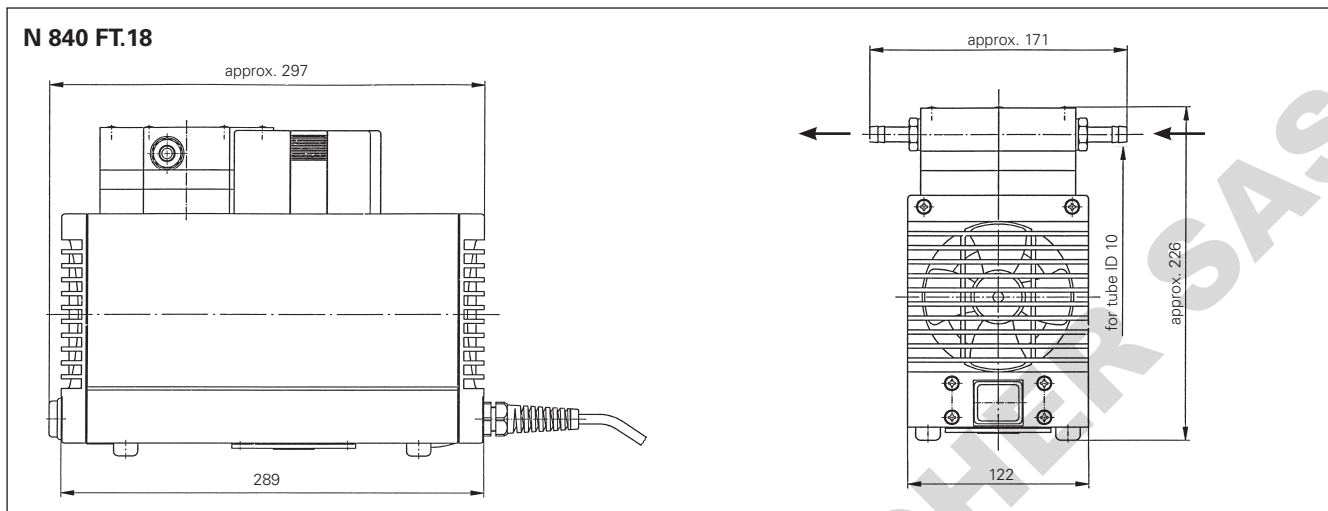


Performance characteristics





Dimensions (mm)



Spare parts

Description	Details	Order No.
Spares kit	for N 840 FT.18	058079