



# Diaphragm Pumps for Air, Gases and Vapours



## LABOPORT® 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.  $6 \times 10^{-3}$  mbar x l/s, not tested in serial production.
- ATEX compliant according to ATEX II 2G IIB+H2 T3X internal atmosphere only

### Series LABOPORT® 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

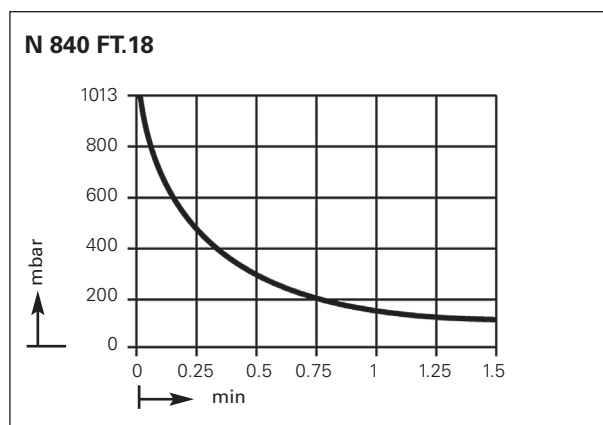
Delivery (l/min) <sup>1)</sup>	34
Ultimate vacuum (mbar abs.)	100
Operating pressure (bar g)	1
Connectors for tube (mm)	ID 10
Permissible gas and ambient temperature	+5...+40 °C
Mains	230V/50Hz
Motor protection	IP 44
Power P <sub>1</sub>	180 W
Operating current	1.5 A
Weight	10.3 kg
Dimensions L x H x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

Motors with other voltages and frequencies on request.

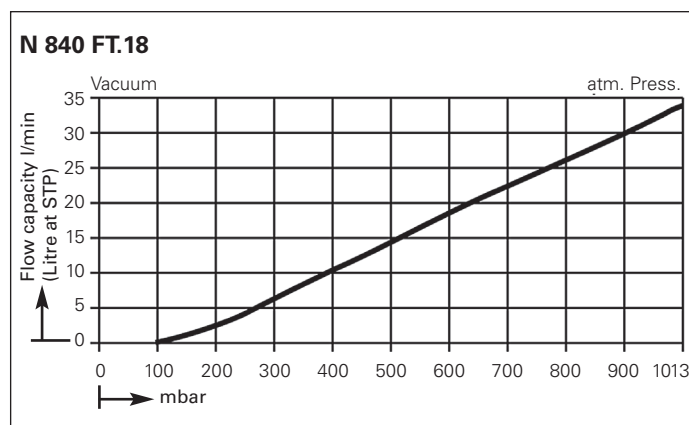
<sup>1)</sup> at atm. pressure

## Dimensions and performance characteristics

### Pump down time for 10 l receiver

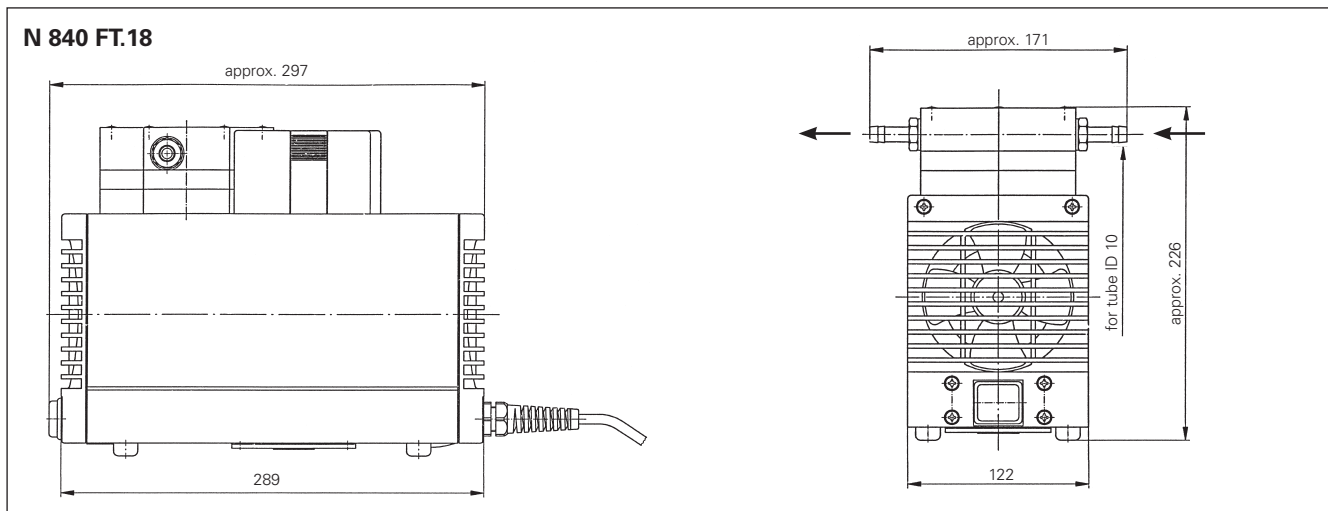


### Performance characteristics





### Dimensions (mm)



### Spare parts

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



# WolfLabs

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.