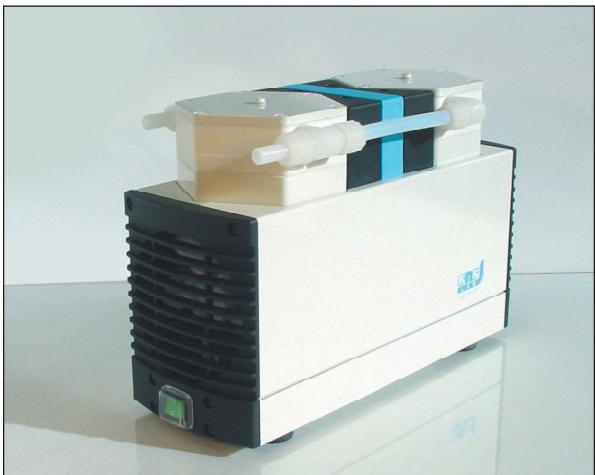




## Diaphragm Pumps for Air, Gases and Vapours



### Serie LABOPORT® N 840.1.2 FT.18 Pump

The chemically-resistant serie N 840.1.2 diaphragm pump is a double-head, dry-running device used in a wide range of laboratory applications. These pump 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.

#### Material in contact with the pumped media

Type/Order No.	Pump head	Diaphragm	Valves
N 840.1.2 FT.18	PTFE	PTFE-coated	FFPM

#### Spare parts

Description	Order No.
Spares kit	057359

## LABOPORT® Chemically-resistant Diaphragm Vacuum Pump

#### 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.

#### Technical data: N 840.1.2 FT.18

Delivery (l/min) <sup>1)</sup>	60
Ultimate vacuum (mbar abs.)	90
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>	270 W
Operating current	1.9 A
Weight	12.6 kg
Dimensions	
LxHxW (mm)	341/226/160
With thermal switch and power fuse	

Motors with other voltages and frequencies on request.

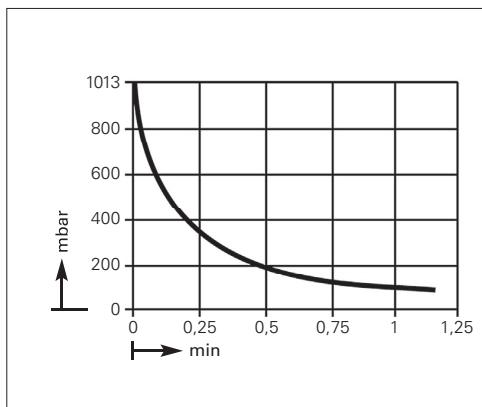
<sup>1)</sup> at atm. pressure



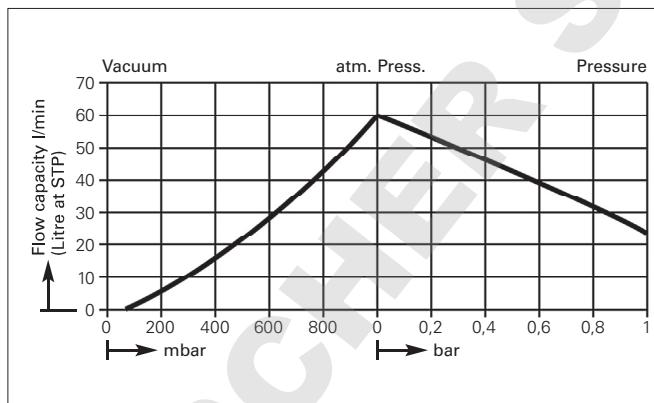
# Diaphragm Pumps for Air, Gases and Vapours

## Dimensions and performance characteristics

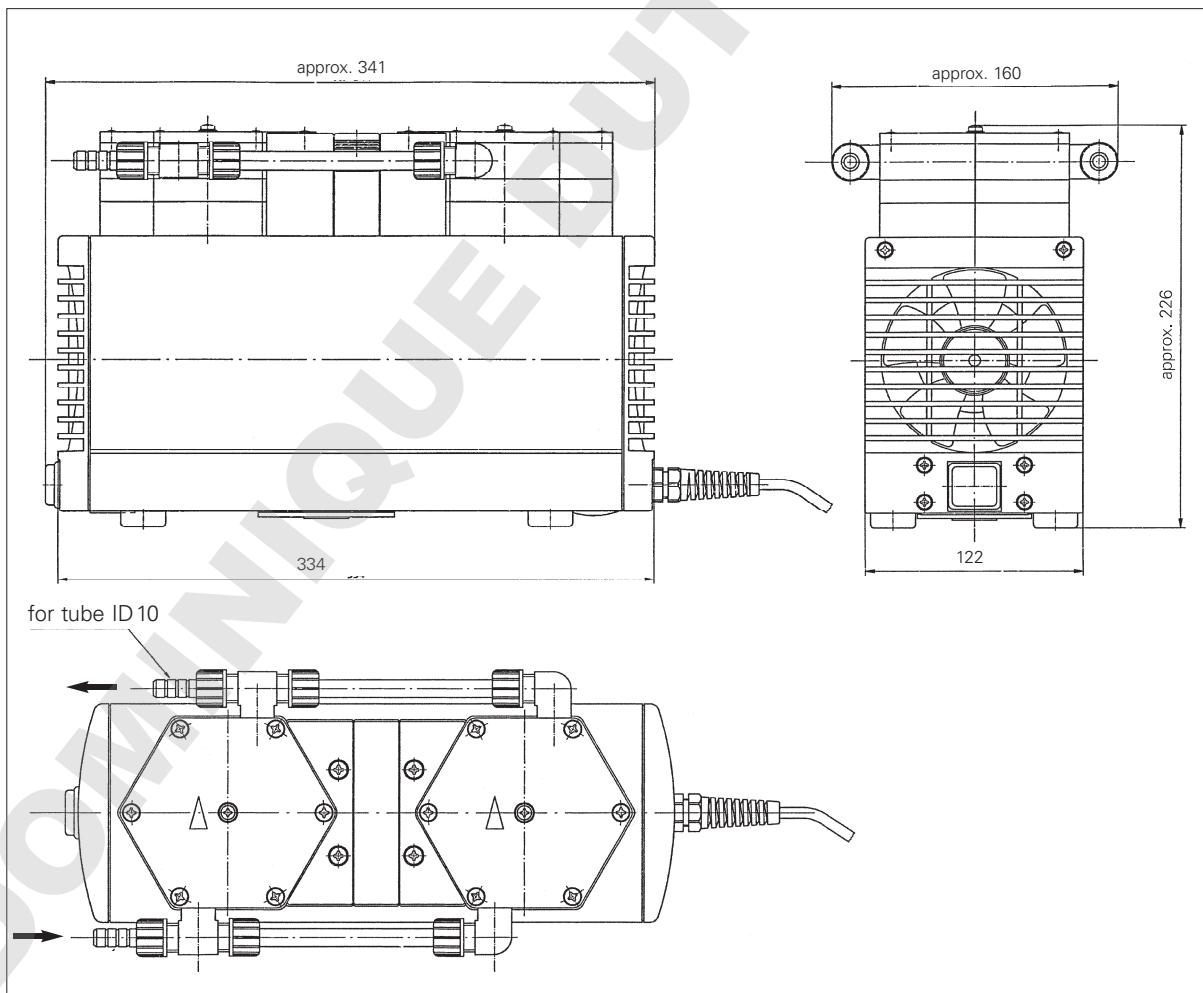
Pump down time for 10 l receiver



Performance characteristics



## Dimensions (mm)



KNF offers a wide range of high-quality pumps and systems for moving both liquids and gases. Whether they are used as built-in OEM pumps, in process applications or in laboratories, KNF products offer high performance, precision, and reliability. We offer all of our customers expert and personal advice. Contact us today to discuss how we can assist you with your next project!

The KNF production sites worldwide:



KNF Neuberger GmbH, Germany



KNF Micro AG, Switzerland



KNF Flodos AG, Switzerland



KNF Neuberger SAS, France



KNF Neuberger, Inc., USA

## KNF. GLOBALLY ACTIVE.

### **Germany**

**KNF Neuberger GmbH**  
D-79112 Freiburg  
Tel. +49 7664 5909 0  
info@knf.de  
www.knf.de

**Benelux Netherlands**  
**KNF Verder B.V.**  
NL-3451 GG Vleuten  
Tel. +31 30 677 92 40  
info@knf-verder.nl  
www.knf-verder.nl

**Benelux Belgium and Luxemburg**  
**KNF Verder N.V.**  
B-2630 Aartselaar  
Tel. +32 3 871 96 24  
info@knf.be  
www.knf.be

**China**  
**KNF Technology (Shanghai) Co., Ltd.**  
Shanghai 201203  
Tel. +86 21 5109 9695  
info@knf.com.cn  
www.knf.com.cn

**France, Marocco, Tunisia, Algeria**  
**KNF Neuberger SAS**  
F-68128 Village-Neuf  
Tel. +33 389 70 35 00  
info@knf.fr  
www.knf.fr

**UK**  
**KNF Neuberger U.K., Ltd.**  
Witney, Oxfordshire OX28 4FA  
Tel. +44 1993 77 83 73  
info@knf.co.uk  
www.knf.co.uk

**India**  
**KNF Pumps + Systems (India) Pvt. Ltd.**  
Hinjewadi, Pune 411 057  
Tel. +91 20 640 13 923  
+91 20 640 08 923  
info@knfpumps.in  
www.knfpumps.in

**Italy**  
**KNF ITALIA S.r.l.**  
I-20063 Cernusco s. Naviglio MI  
Tel. +39 02 272 03 860  
info@knf.it  
www.knf.it

**Japan**  
**KNF Japan Co.Ltd.**  
Tokyo 104-0033  
Tel. +81 3 3551 7931  
info@knf.co.jp  
www.knf.co.jp

### **Korea**

**KNF Neuberger Ltd.**  
130-090, Seoul  
Tel. +82 2 959 0255  
knf@knfkorea.com  
www.knfkorea.com

**Sweden, Finland, Denmark, Norway**  
**KNF Neuberger AB**  
SE-117 43 Stockholm  
Tel. +46 8 744 51 13  
info@knf.se  
www.knf.se

**Switzerland**  
Sales  
**KNF Neuberger AG**  
CH-8362 Balterswil  
Tel. +41 71 973 99 30  
knf@knf.ch  
www.knf.ch

**Switzerland**  
Production Liquid Pumps  
**KNF FLODOS AG**  
CH-6210 Sursee  
Tel. +41 41 925 00 25  
info@knf-flodos.ch  
www.knf-flodos.ch

**Switzerland**  
Production Micro Pumps  
**KNF Micro AG**  
CH-6260 Reiden  
Tel. +41 62 787 88 88  
info@knf-micro.ch  
www.knf-micro.ch

**Taiwan**  
**KNF Neuberger Ltd.**  
Taipei City, 11490  
Tel. +886 2 2794 1011  
info@knftwn.com.tw  
www.knf.com.tw

**USA, Canada, Latin America**  
**KNF Neuberger, Inc.**  
Trenton, New Jersey 08691-1810  
Tel. +1 609 890 8600  
knfusa@knf.com  
www.knfusa.com

**Latin America**  
Tel. +1 609 649 1010  
gb@knf.com  
www.knf.com/es