



## Diaphragm Pumps for Air, Gases and Vapours



Similar to original product

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

### Series LABOPOINT® N 820 FT.18 Pumps

The chemically-resistant series N 820 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 820 FT.18	TFM™ PTFE	PTFE-coated	FFPM

#### Technical data:

#### N 820 FT.18

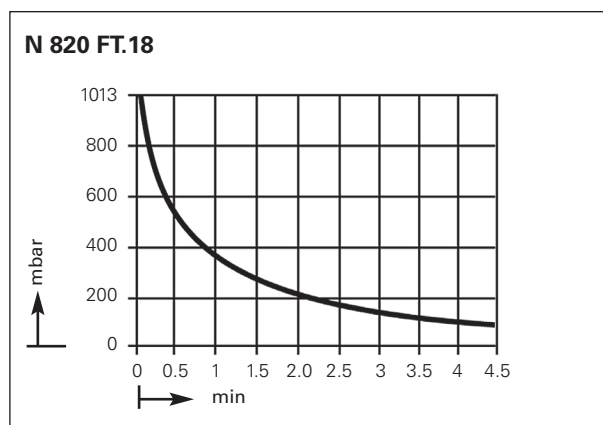
Delivery (l/min) <sup>1)</sup>	20
Ultimate vacuum (mbar abs.)	100
Operating pressure (bar g)	1
Connectors for tube (mm)	ID 10
Permissible gas and ambient temperature	+5...+40 °C
Mains	230V/50Hz
Motor protection	IP 44
Power P <sub>1</sub>	130 W
Operating current	0.9 A
Weight	7.1 kg
Dimensions L x H x W (mm)	268/207/159
With thermal switch and power fuse	

Motors with other voltages and frequencies on request.

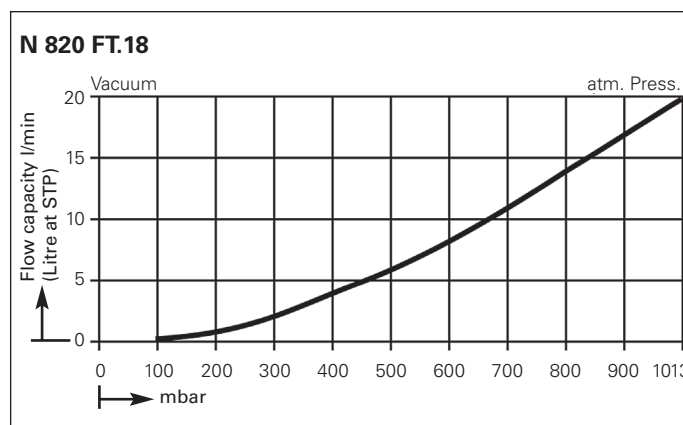
<sup>1)</sup> at atm. pressure

## Dimensions and performance characteristics

#### Pump down time for 10 l receiver

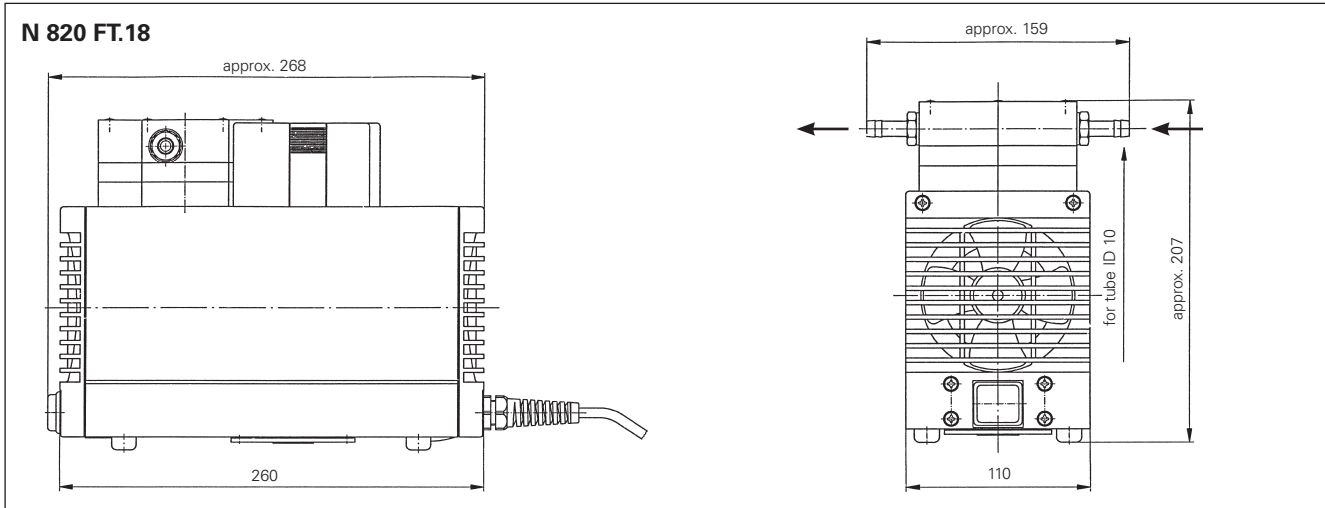


#### Performance characteristics





### Dimensions (mm)



### Spare parts

Description	Details	Order No.
Spares kit	for N 820 FT.18	058078

# YOUR LOCAL PARTNER AROUND THE WORLD

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