

# Diaphragm Pumps for Air, Gases and Vapours

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## Diaphragm Vacuum Pumps and Compressors

### Technical features:

- 100% oil-free transfer
- Pure transfer, evacuation and compression
- Version for slightly 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.

### Series N 145 A\_.18 Pumps

Series N 145 diaphragm pumps are single-head, dry-running devices used in a wide range of laboratory applications. They transfer, compress and pump down without contamination. The pumps are available in various versions differing in the materials which contact the media.

### Technical data:

	N 145 AN.18	N 145 AT.18
Delivery (l/min) <sup>1)</sup>	30	27
Ultimate vacuum (mbar abs.)	100	100
Operating pressure (bar g)	7	7
Connectors for tube (mm)	ID 9	ID 9
Permissible gas and ambient temperature	+5...+40 °C	+5...+40 °C
Mains	230V/50Hz	230V/50Hz
Motor protection	IP 44	IP 44
Power P <sub>1</sub>	320 W	320 W
Operating current	2.1 A	2.1 A
Weight	12 kg	12 kg
Dimensions LxHxW (mm)	325/286/210	325/286/210
With thermal switch		

### Material in contact with the pumped media

Type/OrderNo.	Pump head	Diaphragm	Valves
N 145 AN.18	Aluminium	CR	Stainless steel
N 145 AT.18	Aluminium	PTFE-coated	Stainless steel

Motors with other voltages and frequencies on request.

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

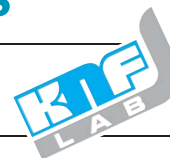
### Accessories

Description	Details	for Type	Order No.
Silencer/Filter	G 1/4		000352
Pressure relief valve	4 bar	N 145 AN.18	047601
Pressure relief valve	7 bar	N 145 AN.18	047602
Fine control valve with pressure gauge	pressure side	N 145 AN.18	000356
Fine control valve with vacuum gauge	suction side	N 145 AN.18	000354

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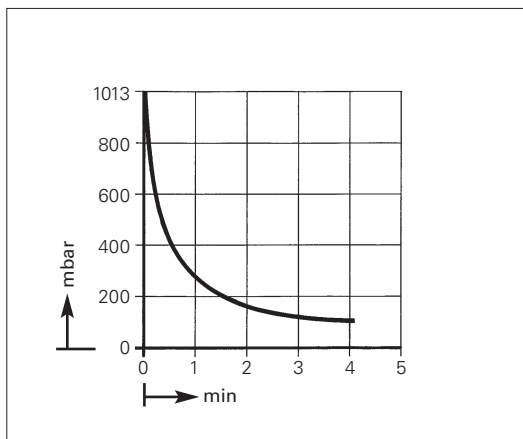
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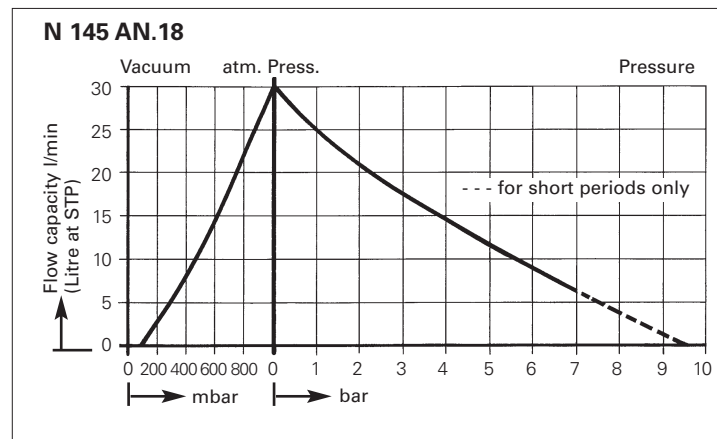


## Dimensions and performance characteristics

Pump down time for 20 l receiver



Performance characteristics



Dimensions (mm)

