

# 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
- 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 035 A\_.18 Pumps

Series N 035 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 035 AN.18 IP 20-Motor	N 035 AN.18 IP 44-Motor
Delivery (l/min) <sup>1)</sup>	30	30
Ultimate vacuum (mbar abs.)	100	100
Operating pressure (bar g)	4	4
Connectors for tube (mm)	ID 9	ID 9
Permissible gas and ambient temperature	+5...+40 °C	+5...+40 °C
Voltage/Frequencies	230V/50Hz	230V/50Hz
Motor protection	IP 20	IP 44
Power P <sub>1</sub>	150 W	120 W
Operating current	1 A	1,80 A
Weight	8.2 kg	8.5 kg
Dimensions		
LxHxW (mm)	265/254/143	280/255/198
With thermal switch		

Motors with other voltages and frequencies on request.

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

### Material in contact with the pumped media

Type/OrderNo.	Pump head	Diaphragm	Valves
N 035 AN.18	Aluminium	CR	Stainless steel
N 035 AT.18	Aluminium	PTFE-coated	Stainless steel

Choose the pump and the motor in accordance with the following example:

N 035 AN.18 with IP 44-Motor.

### Chemically-resistant versions

	N 035 AT.18 IP 20-Motor	N 035 AT.18 IP 44-Motor
Delivery (l/min) <sup>1)</sup>	27	27
Ultimate vacuum (mbar abs.)	100	100
Operating pressure (bar g)	4	4
Connectors for tube (mm)	ID 9	ID 9
Permissible gas and ambient temperature	+5...+40 °C	+5...+40 °C
Voltage/Frequencies	230V/50Hz	230V/50Hz
Motor protection	IP 20	IP 44
Power P <sub>1</sub>	150 W	120 W
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<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 035 AN.18	047601
Fine control valve with pressure gauge	pressure side	N 035 AN.18	000482
Fine control valve with vacuum gauge	suction side		000354

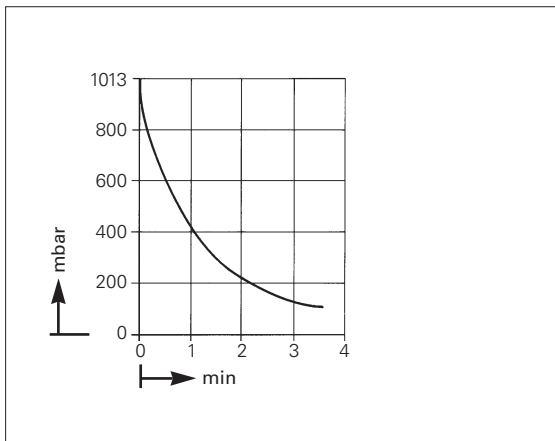
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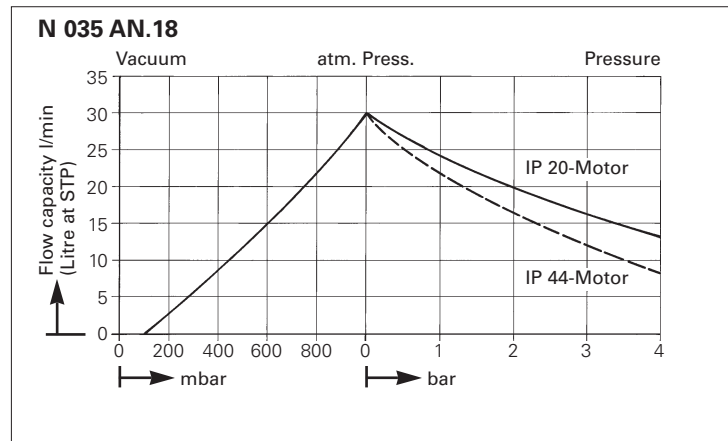
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## Dimensions and performance characteristics

### Pump down time for 20 l receiver



### Performance characteristics



### Dimensions (mm)

