



## Diaphragm Pumps for Air, Gases and Vapours



### Diaphragm Vacuum Pumps and Compressors

#### Technical features:

- 100% oil-free transfer
- Pure transferring, evacuation and compression of gases
- 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 022 A\_.18 Pumps

Series N 022 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 022 AN.18	N 022 AT.18
Delivery (l/min) <sup>1)</sup>	15	13
Ultimate vacuum (mbar abs.)	100	100
Operating pressure (bar g)	4	4
Connectors for tube (mm)	ID 6	ID 6
Permissible gas and ambient temperature	+5...+40 °C	+5...+40 °C
Mains	230V/50Hz	230V/50Hz
Motor protection	IP 20	IP 20
Power P <sub>1</sub>	100 W	100 W
Operating current	0.7 A	0.7 A
Weight	4 kg	4 kg
Dimensions L x H x W (mm)	203/194/145	203/194/145
With thermal switch		

#### Material in contact with the pumped media

Type/Order No.	Pump head	Diaphragm	Valves
N 022 AN.18	Aluminum	CR	Stainless steel
N 022 AT.18	Aluminum	PTFE-coated	Stainless steel

Motors with other voltages and frequencies on request.

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

### Accessories

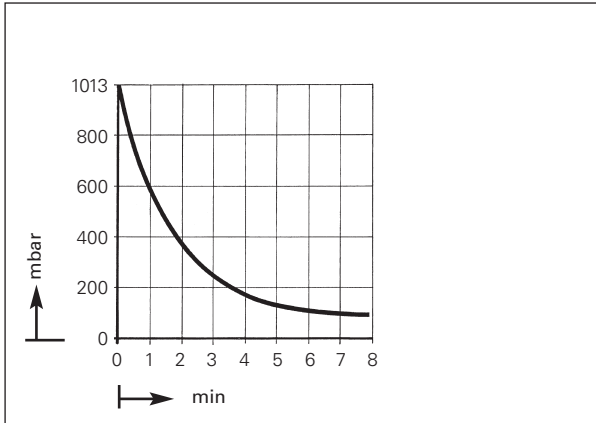
Description	Details	for Type	Order No.
Silencer/Filter	G 1/8		000346
Pressure relief valve	4 bar	N 022 AN.18	000351
Fine control valve with pressure gauge	pressure side	N 022 AN.18	000349
Fine control valve with vacuum gauge	suction side	N 022 AN.18	000350



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## Dimensions and performance characteristics

### Pump down time for 20 l receiver



### Performance characteristics



### Dimensions (mm)

