

## **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 x 10<sup>-3</sup> 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.

Material in contact with the pumped media

Aluminium

Type/Order No. Pump head Diaphragm Valves

CR

Technical data:	N 022 AN.18	N 022 AT.18
Delivery (I/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 LxHxW (mm)	203/194/145	203/194/145
With thermal switch		

Motors with other voltages and frequencies on request.

1) at atm. pressure

### Accessories

N 022 AT.18

N 022 AN.18 Aluminium

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

Stainless steel

PTFE-coated Stainless steel



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### **Dimensions and performance characteristics**

Pump down time for 20 I receiver

#### **Performance characteristics**





#### Dimensions (mm)



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Pricing on any accessories shown can be found by keying the part number into the search box on our website. The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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