



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. 6×10^{-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) ¹⁾ | 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 ₁ | 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 | | |

Material in contact with the pumped media

| Type/OrderNo. | Pump head | Diaphragm | Valves |
|---------------|-----------|-------------|-----------------|
| N 022 AN.18 | Aluminium | CR | Stainless steel |
| N 022 AT.18 | Aluminium | PTFE-coated | Stainless steel |

Motors with other voltages and frequencies on request.

¹⁾ at atm. pressure

Accessories

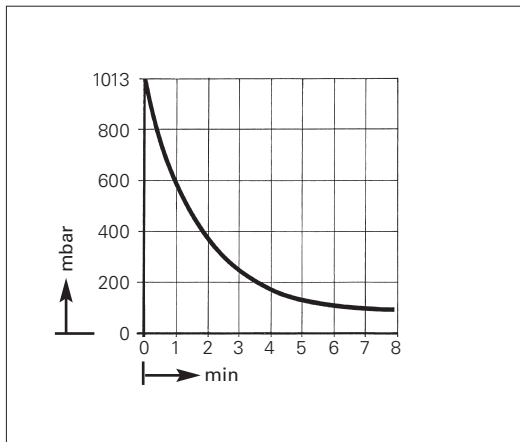
| Description | Details | for Type | Order No. |
|--|---------------|-------------|-----------|
| Silencer/Filter | G 1/8 | | 000346 |
| Pressure relief valve | 4 bar | N 022 AN.18 | 000351 |
| Fine control valve with pressure gauge | pressure side | N 022 AN.18 | 000349 |
| Fine control valve with vacuum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



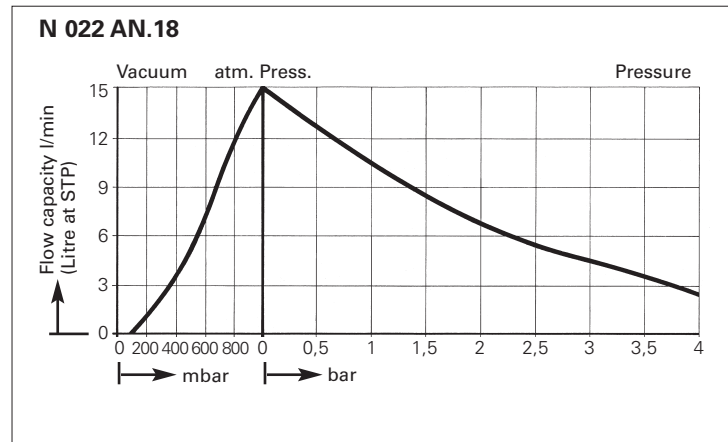
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Dimensions and performance characteristics

Pump down time for 20 l receiver



Performance characteristics



Dimensions (mm)

