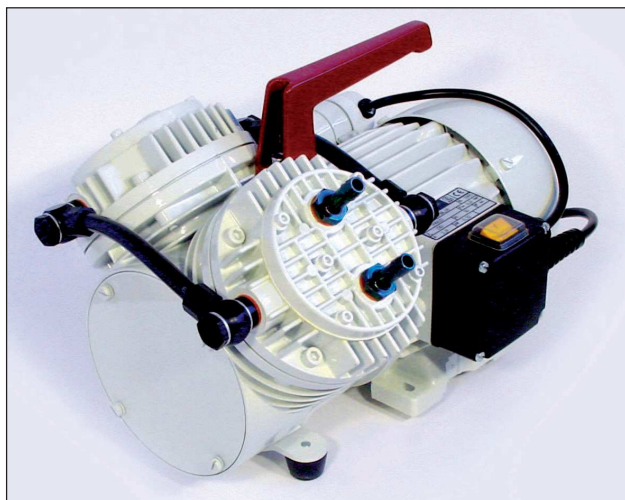




Diaphragm Pumps for Air, Gases and Vapours



Diaphragm Vacuum Pumps and Compressors

Technical features:

- 100% oil-free transfer
- Pure transferring, evacuation and compression of gases
- Versions 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 035.1.2 A_.18 Pumps

Series N 035.1.2 diaphragm pumps are double-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 035.1.2 AN.18 IP 20-Motor | N 035.1.2 AN.18 IP 44-Motor |
|---|--------------------------------|--------------------------------|
| Delivery (l/min) ¹⁾ | 55 | 55 |
| 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 ₁ | 300 W | 320 W |
| Operating current | 1,55 A | 1,9 A |
| Weight | 11,3 kg | 11,6 kg |
| Dimensions L x H x W (mm) With thermal switch | 321/222/250 | 349/222/250 |

Motors with other voltages and frequencies on request.

¹⁾ at atm. pressure

Material in contact with the pumped media

| Type/OrderNo. | Pump head | Diaphragm | Valves |
|-----------------|-----------|-------------|-----------------|
| N 035.1.2 AN.18 | Aluminium | CR | Stainless steel |
| N 035.1.2 AT.18 | Aluminium | PTFE-coated | Stainless steel |

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

N 035.1.2 AN.18 with IP 44-Motor.

Versions for slightly aggressive gases and vapours

| | N 035.1.2 AT.18 IP 20-Motor | N 035.1.2 AT.18 IP 44-Motor |
|---|--------------------------------|--------------------------------|
| Delivery (l/min) ¹⁾ | 50 | 50 |
| 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 |
| Mains | 230V/50Hz | 230V/50Hz |
| Motor protection | IP 20 | IP 44 |
| Power P ₁ | 300 W | 320 W |
| Operating current | 1,55A | 1,9 A |
| Weight | 11,3 kg | 11,6 kg |
| Dimensions L x H x W (mm) With thermal switch | 321/222/250 | 349/222/250 |

Motors with other voltages and frequencies on request.

¹⁾ at atm. pressure

Accessories

| Description | Details | for Type | Order No. |
|--|---------------|-----------------|-----------|
| Silencer/Filter | G 1/4 | | 000352 |
| Pressure relief valve | 4 bar | N 035.1.2 AN.18 | 047601 |
| Fine control valve with pressure gauge | pressure side | N 035.1.2 AN.18 | 000482 |
| Fine control valve with vacuum gauge | suction side | N 035.1.2 AN.18 | 000354 |

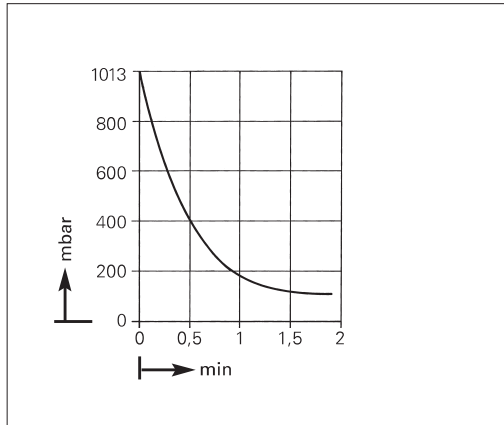
KNF reserves the right to make changes.

KNF 01/2013 Produced in Germany

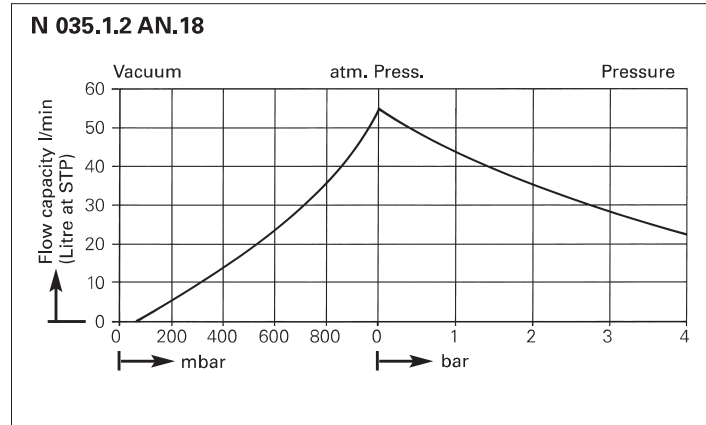


Dimensions and performance characteristics

Pump down time for 20 l receiver



Performance characteristics



Dimensions (mm)

