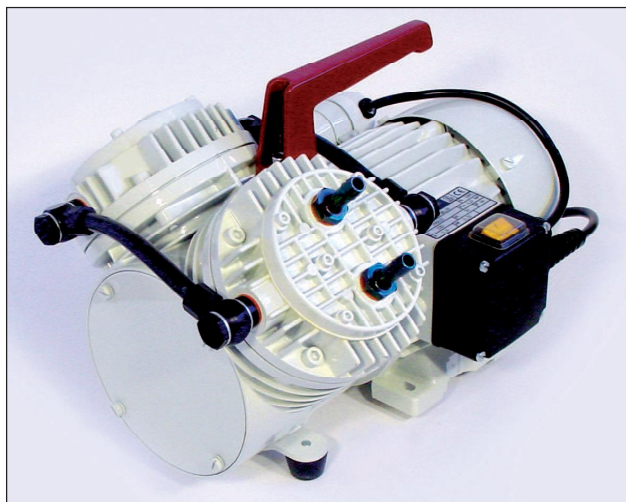




Diaphragm Pumps for Air, Gases and Vapours



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.

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.

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	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 LxHxW (mm)	321/222/250	349/222/250
With thermal switch		

Motors with other voltages and frequencies on request.

¹⁾ at atm. pressure

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	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 LxHxW (mm)	321/222/250	349/222/250
With thermal switch		

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

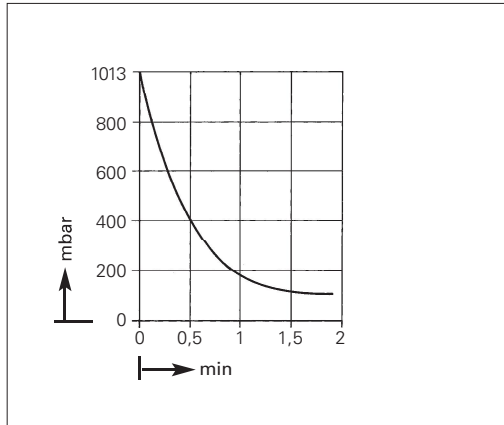
KNF reserves the right to make changes.

KNF 01/2013 Produced in Germany

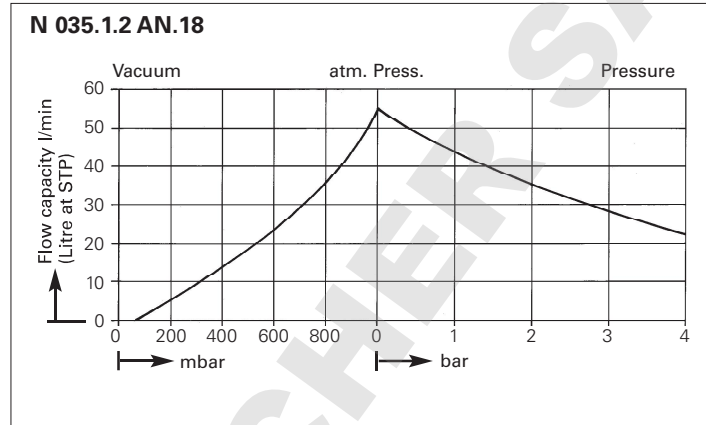


Dimensions and performance characteristics

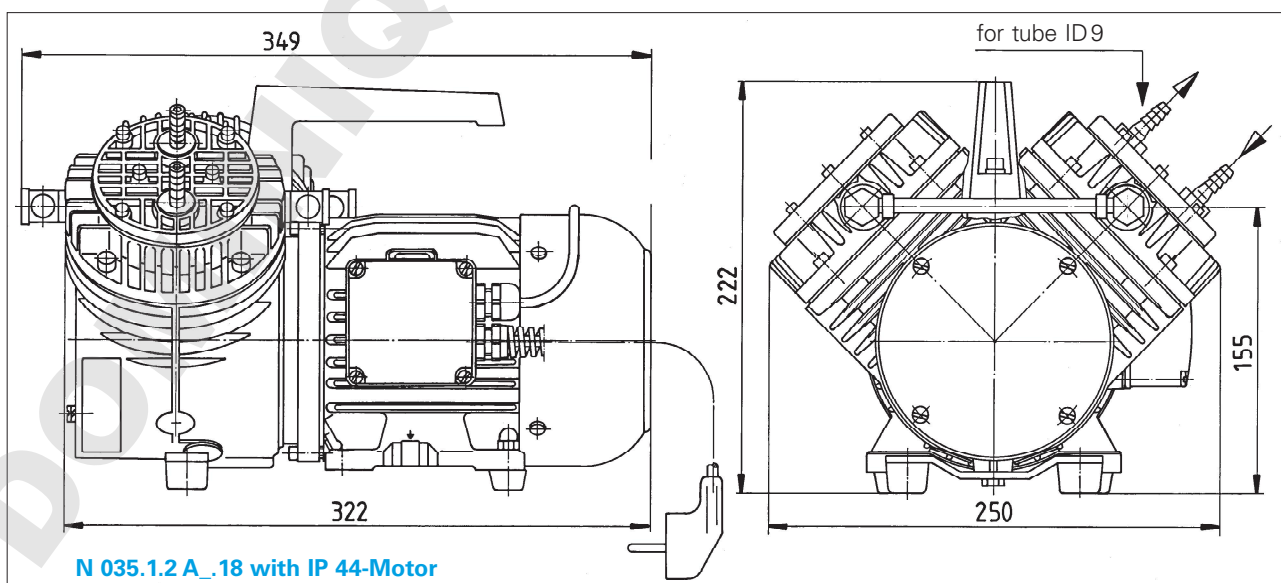
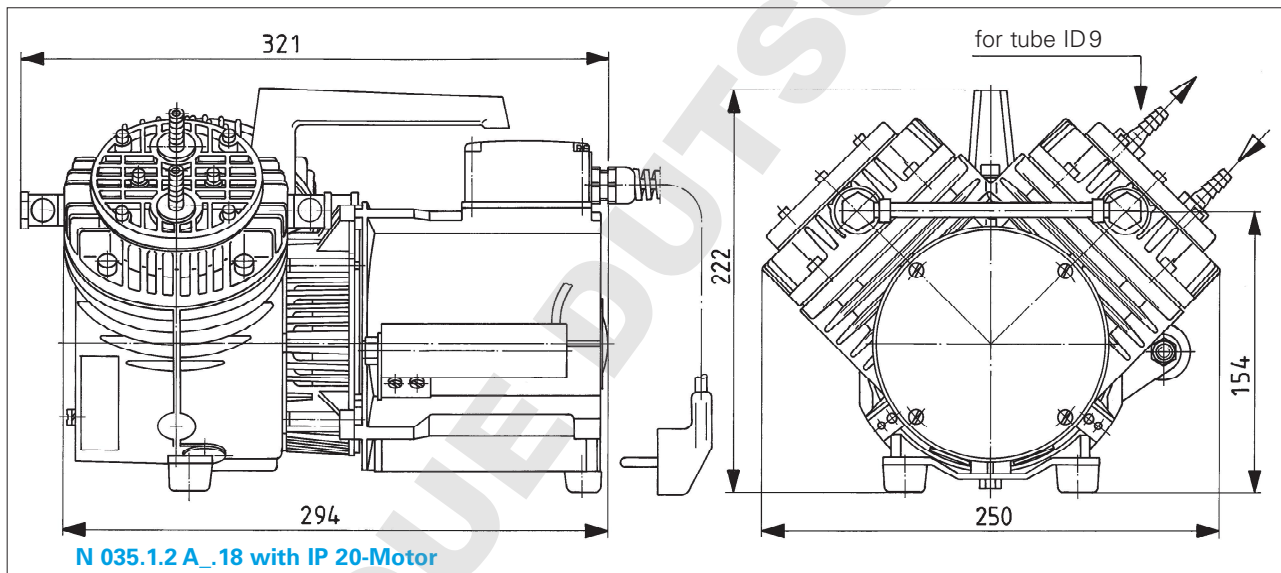
Pump down time for 20 l receiver



Performance characteristics



Dimensions (mm)



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