



Diaphragm Pumps for Air, Gases and Vapours



LABOPORT® Mini 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
- High level of gas tightness

Series LABOPORT® N 86 KN.18 Pumps

Series N 86 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 heart of these very compact pumps is a KNF structured diaphragm. This patented diaphragm was stress-optimized using the Finite Elements method. As a result, we were able to make the pumps smaller while increasing the service life of the diaphragm.

The pumps are available in various versions differing in the materials which contact the media.

Material in contact with the pumped media

Type/Order No.	Pump head	Diaphragm	Valves
N 86 KN.18	PPS	EPDM	FPM

Technical data:

N 86 KN.18

Delivery (l/min) ¹⁾	6
Ultimate vacuum (mbar abs.)	100
Operating pressure (bar g)	2.4
Connectors for tube (mm)	ID 4
Permissible gas and ambient temperature	+5...+40 °C
Mains	230V/50Hz
Motor protection	IP 20
Power P ₁	60 W
Operating current	0.6 A
Weight	1.9 kg
Dimensions L x H x W (mm)	164/141/90
With thermal switch and power fuse	

Motors with other voltages and frequencies on request.

¹⁾ at atm. pressure

Accessories and spare parts

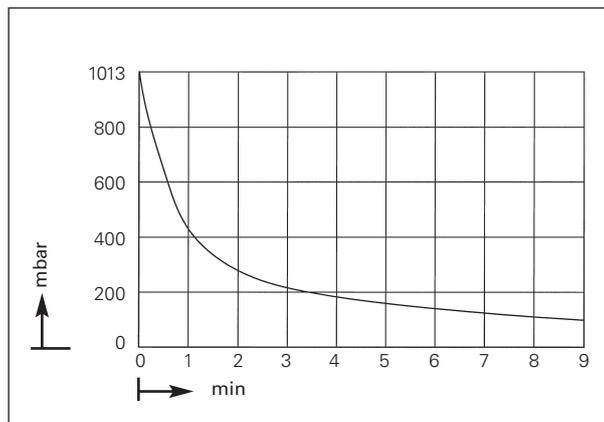
Description	Details	Order No.
Silencer	G 1/8	000345
Filter	G 1/8	000346
Hose connector	G 1/8, PVDF, for tube ID 4 mm	025671
Fine control valve with pressure gauge	pressure side	001786
Fine control valve with vacuum gauge	suction side	001787
Spares kit	for N 86 KN.18	043241



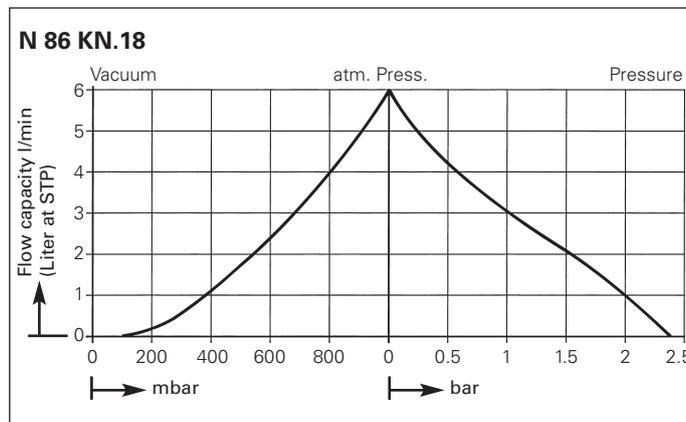
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Dimensions and performance characteristics

Pump down time for 5 l receiver



Performance characteristics



Dimensions (mm)

