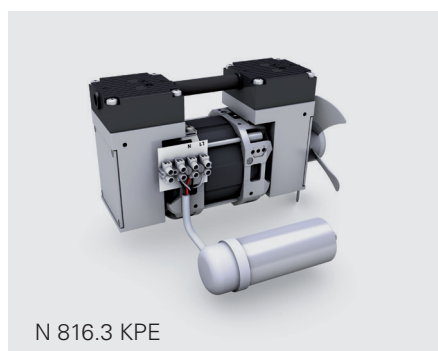


# N 816.3 SERIES VACUUM PUMPS



N 816.3 KPE

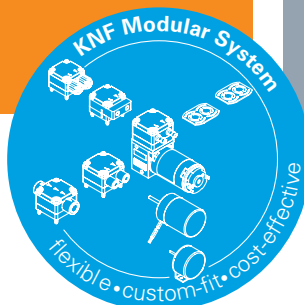
## ADVANTAGES

- High level of performance in a compact size
- Copes well with vapor and condensation
- High-performing – collecting containers are evacuated quickly and reliably

## POSSIBLE AREAS OF USE

- Diagnostics – disposal of sample waste
- Medical technology – especially autoclaves
- Mobile/portable gas measurement technology
- Stationary emission measurement technology (CEMS)

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## PERFORMANCE DATA

<b>Series model</b>	<b>N 816.3</b>
<b>Material design</b>	<b>KPE</b>
Pump head	PPS
Diaphragm	EPDM
Valves	EPDM
Flow rate at atm. pressure (l/min) <sup>1)</sup>	16.0
Ultimate vacuum (mbar abs.)	15
Max. operating pressure (bar rel./psig) <sup>2)</sup>	0.5/7.3
Permissible ambient temperature (°C)	+5 ... +40
Permissible media temperature (°C)	+5 ... +40
Weight (kg/lbs)	3.0/6.6

## ELECTRICAL DATA

Voltage (V)	230
Motor	Capacitor motor
Protection class motor	IP 00
Frequency (Hz)	50
Power P <sub>1</sub> (W)	100.0
I <sub>max</sub> (A)	0.60

<sup>1)</sup> Liter in the standard state (based on ISO 8788 and ISO 21360-1/2) (1000 hPa, 20°C); <sup>2)</sup> bar relative to 1000 hPa

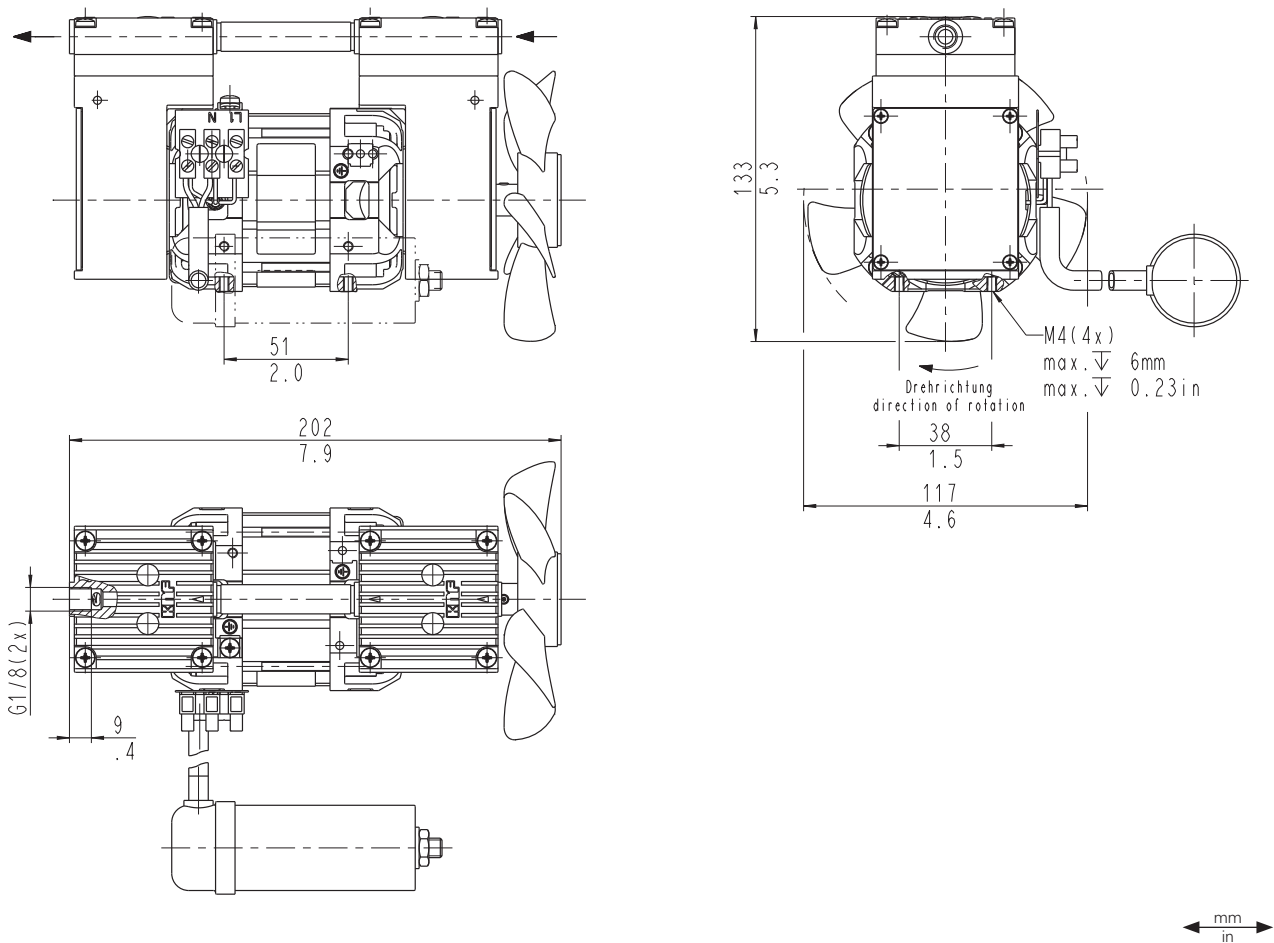
# N 816.3 KPE

## PERFORMANCE DATA

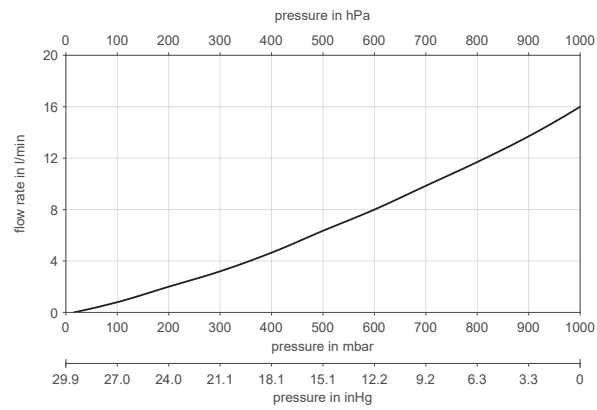
Series model	Flow rate at atm. pressure (l/min) <sup>1)</sup>	Max. operating pressure (bar rel./psig) <sup>2)</sup>	Ultimate vacuum (mbar abs.)
N 816.3 KPE	16.0	0.5/7.3	15

<sup>1)</sup> Liter in the standard state (based on ISO 8788 and ISO 21360-1/2) (1000 hPa, 20°C); <sup>2)</sup>bar relative to 1000 hPa

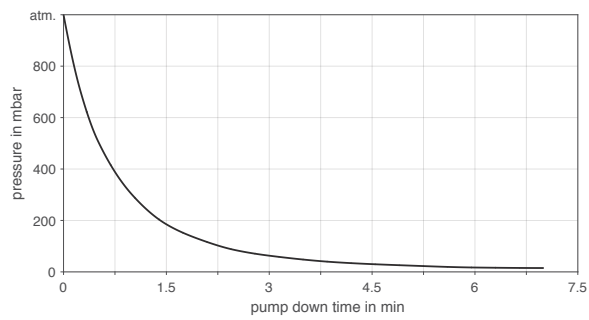
## N 816.3 KPE



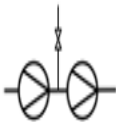
## N 816.3 KPE



## N 816.3 KPE | PUMP DOWNTIME FOR 10 LITER VESSEL



## OPTIONS

Description	Illustration	Details
Gasbalast		The use of gasbalast reduces the partial pressure of the condensable gases due to the additional gasvolume flow and remove condensate from the pump.

## SPARE PARTS

Description	Illustration	Part No.	Details
Spare part kit N 816.3 KP		346528	Spare parts kit consists of: 2x diaphragm, 4x valve plate, 2x sealing, 2x O-ring. This set is required to maintain the pump.

The performance values for the series models shown on this data sheet were determined under test conditions. The actual performance values may differ and depend in particular on the usage conditions and therefore on the specific application, on the parameters of the components involved in the user's system and on any technical modifications carried out which deviate from the standard configuration or the as delivered condition.

If individual designs have been created for specific customers on the basis of series models, other technical performance data may apply. Before operation begins, the relevant operating instructions and/or assembly or installation instructions should be read and the safety information contained in these instructions should be noted. KNF reserves the right to make changes to the product and the associated documentation without prior notice to the customer.



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