

### NPK 012 SERIES SWING PISTON VACUUM PUMPS AND COMPRESSORS



#### **ADVANTAGES**

- High level of performance in a compact size and light-weight
- Brushless DC motor for custom-fit rotational speed control
- High pressure up to 5 bar g/72.5 psig

Frequency (Hz)
Power P<sub>1</sub> (W)

I<sub>max</sub> (A)

- The pump can start against the entire pressure and vacuum range without discharging
- Robust design
- Excellent price/performance ratio

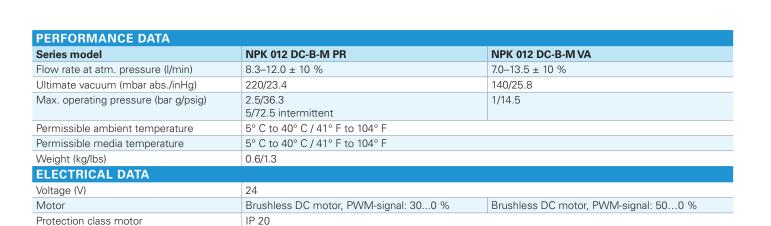
### POSSIBLE AREAS OF USE

- Diagnostics transfer of liquids and gaseous samples for analysis
- Medical technology –
   e.g. indicated aspiration
- Vacuum technology pick & place application:

Please visit our website www.knf.com to get more information

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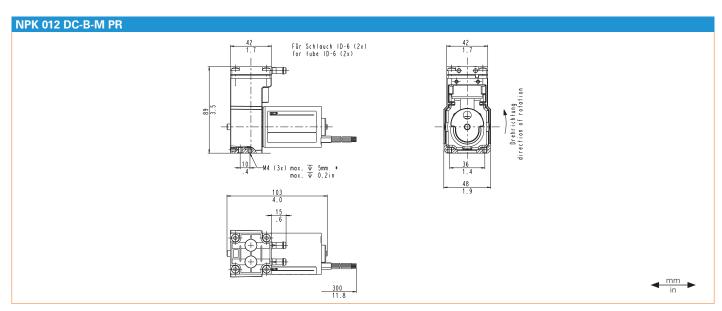
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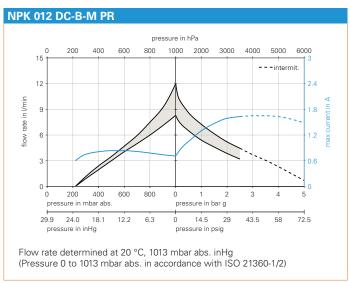


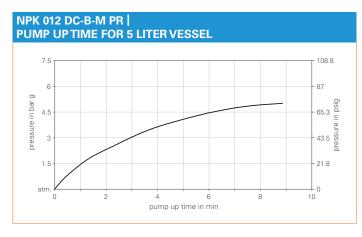
# NPK 012 DC-B-M PR

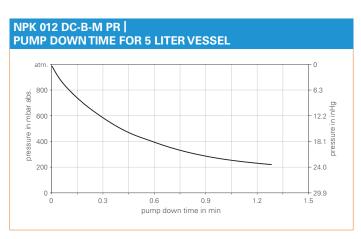
PERFORMANCE DATA			
Series model	Flow rate at atm. pressure (I/min) <sup>1</sup>	Max. operating pressure (bar g/psig)	Ultimate vacuum (mbar abs. / inHg)
NPK 012 DC-B-M PR	8.3-12.0 ± 10 %	2.5/36.3	220/23.4

Flow rate determined at 20 °C/, 1013 mbar abs./ (Pressure 0 to 1013 mbar abs./ in accordance with ISO 21360-1/2)







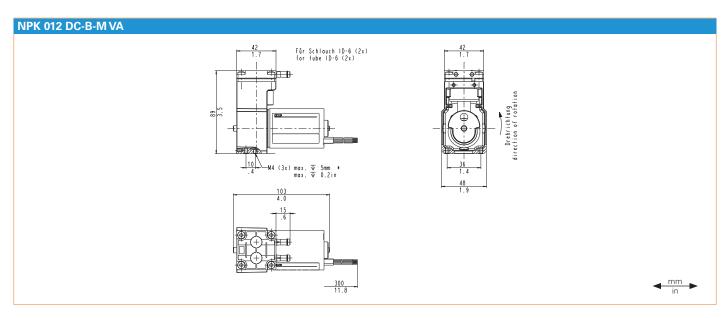


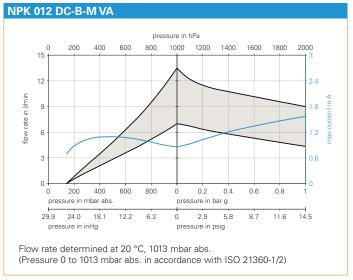
## NPK 012 DC-B-M VA

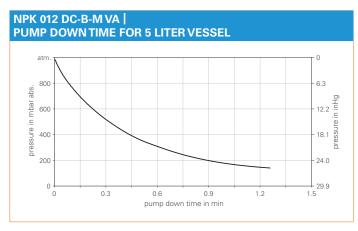
PERFORMANCE DATA			
Series model	Flow rate at atm. pressure (I/min) <sup>1</sup>	Max. operating pressure (bar g/psig)	Ultimate vacuum (mbar abs. / inHg)
NPK 012 DC-B-M VA	7.0-13.5 ± 10 %	1.0/14.5	140/25.8

Flow rate determined at 20 °C, 1013 mbar abs.

(Pressure 0 to 1013 mbar abs. in accordance with ISO 21360-1/2)







OPTIONS			
Description	Illustration	Part No.	Details

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Inlet filter		319074	Inlet push-on filter. 60-130 micron filtration
Silencer	•	058987	Outlet push-on silencer. Noise reduction
Housing Cover Kit		325019	Kit includes: 1 cover and 4 M3x6 screws
Mounting Kit	8 % %	325020	Kit includes: 1 base plate and 3 M4x8 screws
Shock Mount		320986	M4x8 male thread and M3x5 female thread. 3/8" x 3/8" elastomer size. Natural rubber (Durometer 55A).
Cable Harness			Harness extension with loose ends

SPARE PARTS			
Description	Illustration	Part No.	Details

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.

