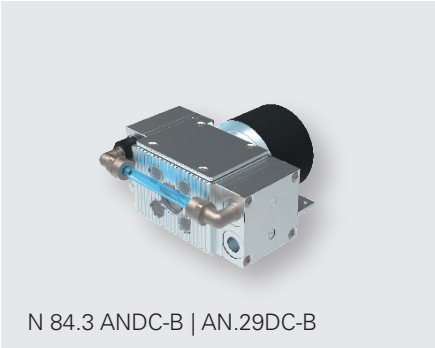
N 84.3 SERIES
VACUUM PUMPS



N 84.3 ANE



N 84.3 ANDC



N 84.3 ANDC-B | AN.29DC-B

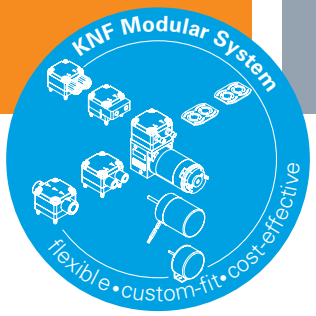
ADVANTAGES

- High-speed evacuation of the measurement chamber thanks to exceptional suction speed
- High flow rate in deep vacuum
- Stable vacuum in the transfer area to the turbomolecular pump

POSSIBLE AREAS OF USE

- Can be used as roughing pump for turbomolecular pumps
- Degassing – removal of dissolved gas from the ink
- Analytical technology

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PERFORMANCE DATA					
Series model	**N 84.3**				
Material design	**ANE**	**ANDC**		**ANDC-B**	**AN.29DC-B**
Pump head	Aluminum				
Diaphragm	PTFE-coated				
Valves	EPDM				
Flow rate at atm. pressure (l/min)[1)3)]	4.2	5.0		4.8	2–4.8
Ultimate vacuum (mbar abs./inHg)[1)]	7/29.3			7/29.3	7/29.3
Max. operating pressure (bar rel./psig)[1)2)]	0.3/4.4				
Permissible ambient temperature (°C/°F)	+5 °C ... +40 °C / 41 °F ... 104 °F				
Permissible media temperature (°C/°F)	+5 °C ... +40 °C / 41 °F ... 104 °F				
Weight (kg/lbs)	1.4/3.1	0.9/2.0		0.8/1.7	
ELECTRICAL DATA					
Voltage (V)	115/230	12	24	24	
Motor	Shaded pole motor	DC motor		Brushless DC motor	
Protection class motor	IP 00	IP 50		IP 20	
Frequency (Hz)	50/60	-			
Power P_1 (W)	65.0			13	
I_{max} (A)	0.75	1.50	0.75	0.55	

[1)]expanded performance available upon request
[2)]bar relative to 1000 hPa
[3)]Liter in the standard state (based on ISO 8778 and ISO 21360-1/2)(1000 hPa, 20°C)

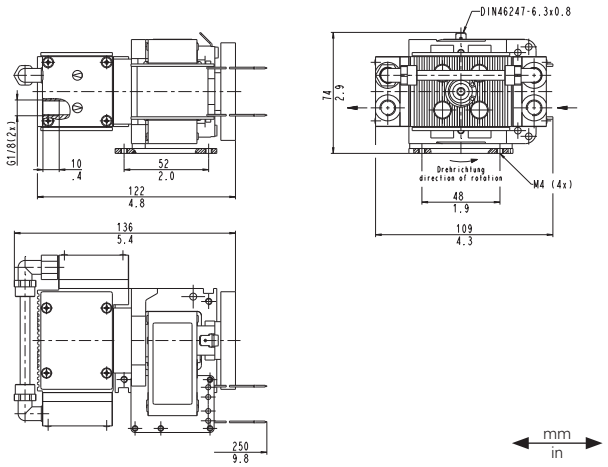
N 84.3 ANE

PERFORMANCE DATA

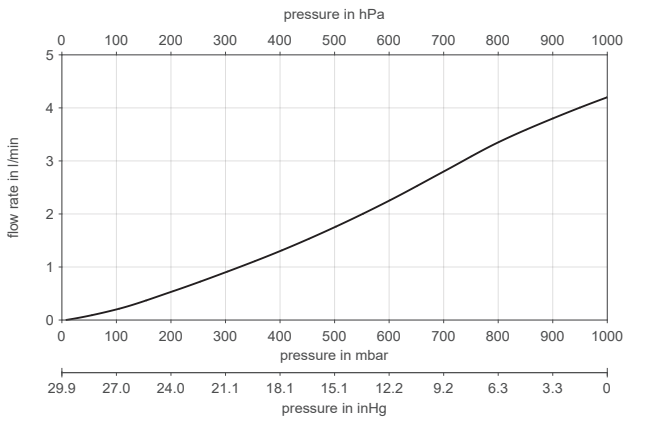
Series model	Flow rate at atm. pressure (l/min)[1)3)]	Max. operating pressure (bar rel./psig)[1)2)]	Ultimate vacuum (mbar abs. /inHg)[1)]
N 84.3 ANE	4.2	0.3/4.4	7/29.3

[1)]expanded performance available upon request
[2)]bar relative to 1000 hPa
[3)]Liter in the standard state (based on ISO 8778 and ISO 21360-1/2)(1000 hPa, 20°C)

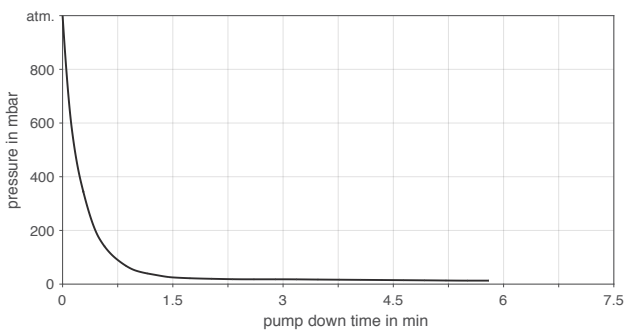
N 84.3 ANE



N 84.3 ANE



N 84.3 ANE | PUMP DOWN TIME FOR 1 LITER VESSEL

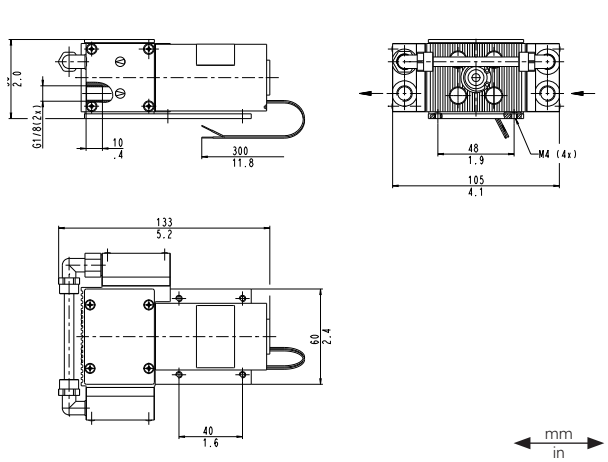


N 84.3 ANDC

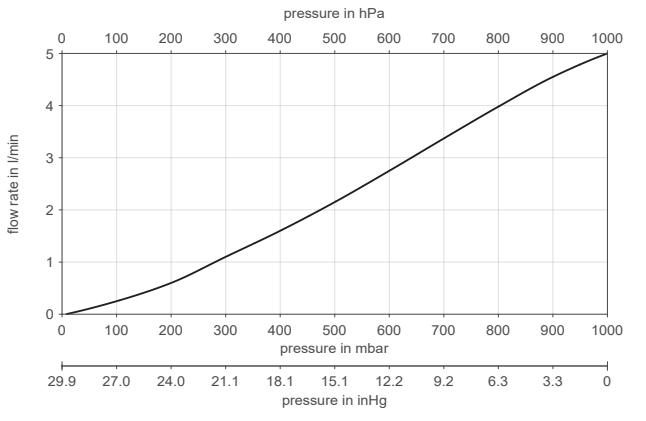
PERFORMANCE DATA

Series model	Flow rate at atm. pressure (l/min)[1)3)]	Max. operating pressure (bar rel./psig)[1)2)]	Ultimate vacuum (mbar abs. /inHg)[1)]
N 84.3 ANDC	5.0	0.3/4.4	7/29.3

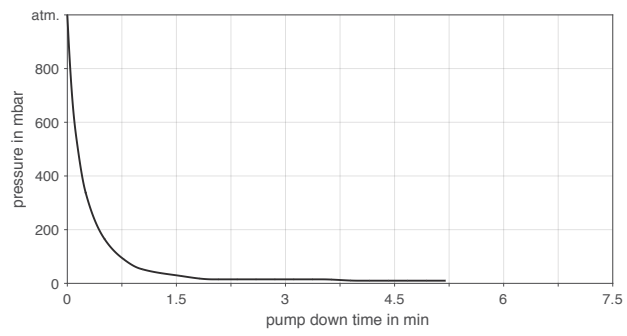
N 84.3 ANDC



N 84.3 ANDC



N 84.3 ANDC | PUMP DOWN TIME FOR 1 LITER VESSEL



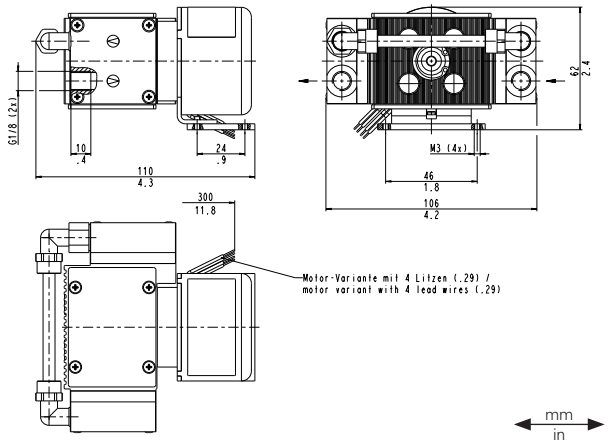
N 84.3 ANDC-B | AN.29DC-B

PERFORMANCE DATA

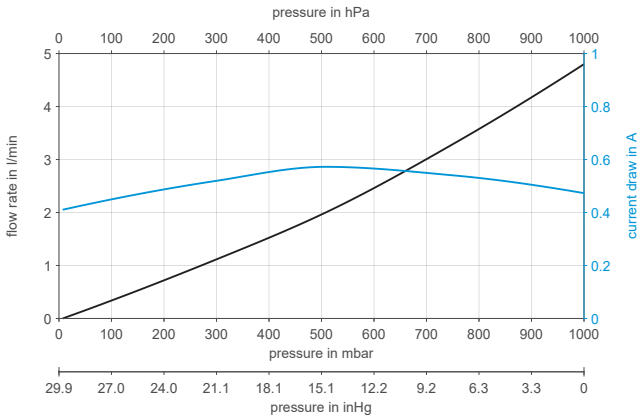
Series model	Flow rate at atm. pressure (l/min)[1)3)]	Max. operating pressure (bar rel./psig)[1)2)]	Ultimate vacuum (mbar abs. /inHg)[1)]
N 84.3 ANDC-B	4.8	0.3/4.4	7/29.3
N 84.3 AN.29DC-B	2–4.8	0.3/4.4	7/29.3

[1)]expanded performance available upon request
[2)]bar relative to 1000 hPa
[3)]Liter in the standard state (based on ISO 8778 and ISO 21360-1/2)(1000 hPa, 20°C)

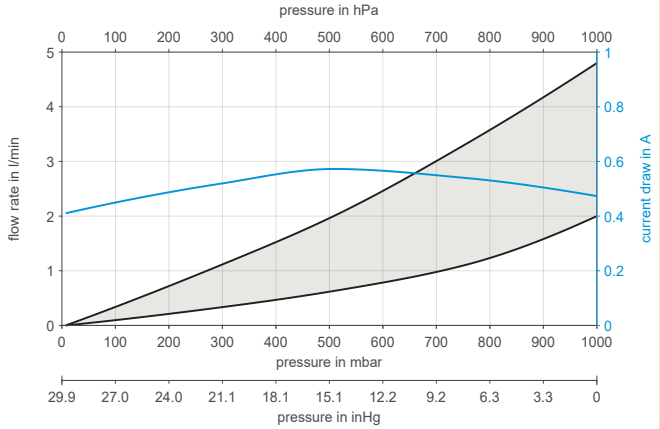
N 84.3 ANDC-B (2 WIRE) | AN.29DC-B (4 WIRE)



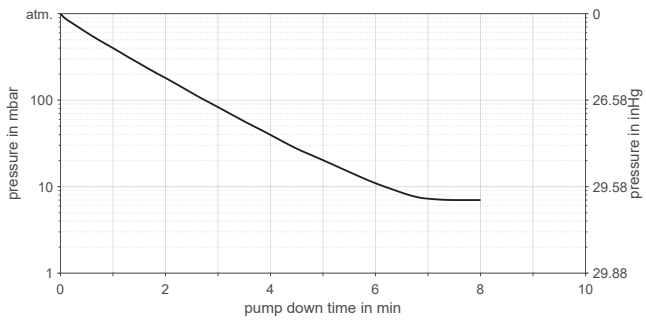
N 84.3 ANDC-B



N 84.3 AN.29DC-B



N 84.3 ANDC-B | AN.29DC-B PUMP DOWN TIME FOR 5 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 condesate from the pump.

ACCESSORIES

Description	Illustration	Part No.	Details
Silencer/Inlet filter		000345	G 1/8
Hose connector		001936	G 1/8 PA
Rubber foot		024435	2x (for N 84.3 ANE)

SPARE PARTS

Description	Illustration	Part No.	Details
Spare parts kit N 84.3 AN		342829	Spare parts kit consists of: 2x structured diaphragm 4x valve plate 4x sealing 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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