

NF 1.60

DIAPHRAGM LIQUID PUMP



NF 1.60 KPDC



NF 1.60 KPDCB-4B

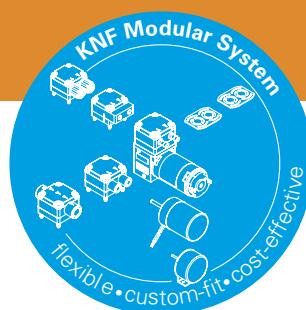
ADVANTAGES

- Self priming and excellent for pressure
- Extreme chemical resistance
- Dry running, durable and maintenance free

POSSIBLE AREAS OF USE

- Analysers
- Laboratory
- Cleaning industry
- Printing

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



PERFORMANCE DATA

Series model	KNF 1.60 DC	KNF 1.60 DCB-B		KNF 1.60 DCB-4B
Material options	KP	KT		
Pump head	PP		PP	
Diaphragm	EPDM		PTFE	
Valves	EPDM		FFKM	
Resonating diaphragm	PTFE		PTFE	
Flow rate at atm. pressure (l/min)	0.65			
Suction height (mWg)	3			
Pressure head (mWg)	60			
Permissible ambient temperature (°C)	+5 to +40			
Permissible liquid temperature (°C)	+5 to +80			
Weight (g)	320	260		
IP protection factor	00	50		

ELECTRICAL DATA

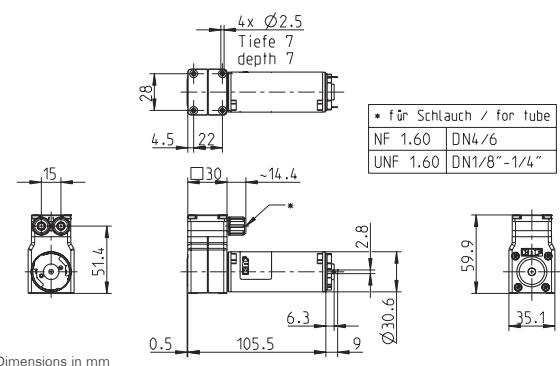
Operating voltage (V)	12/24	12/24	10-26.4
Power consumption (W)	10	10.2/10.6	10.9
I load max (A)	0.8/0.4	0.85/0.44	1.1-0.39

NF 1.60 DC

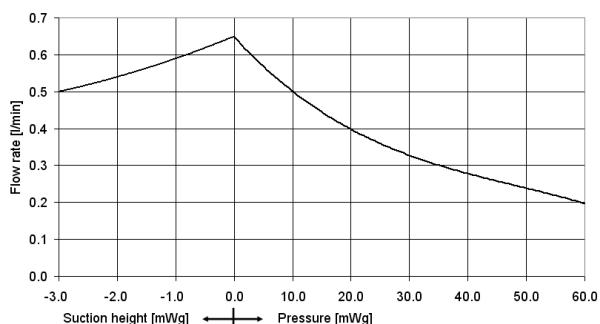
PERFORMANCE DATA

Series model	Flow rate at atm. pressure (l/min)	Max. suction height (mWg)	Max. pressure head (mWg)
NF 1.60 DC	0.65	3	60

NF 1.60 DC



NF 1.60 DC FLOW CURVE



ELECTRIC SPECIFICATIONS

Wires	Solderig lug
Wires assignment	red = +VS black = - VS/GND

NF 1.60 DCB-B

PERFORMANCE DATA

Series model	Flow rate at atm. pressure (l/min)	Max. suction height (mWg)	Max. pressure head (mWg)
NF 1.60 DCB-B	0.65	3	60

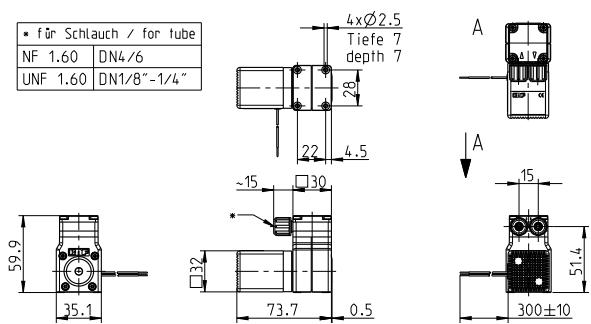
NF 1.60 DCB-4B

PERFORMANCE DATA

Series model	Flow rate at atm. pressure (l/min)	Max. suction height (mWg)	Max. pressure head (mWg)
NF 1.60 DCB-4B	0.65	3	60

NF 1.60 DCB-B

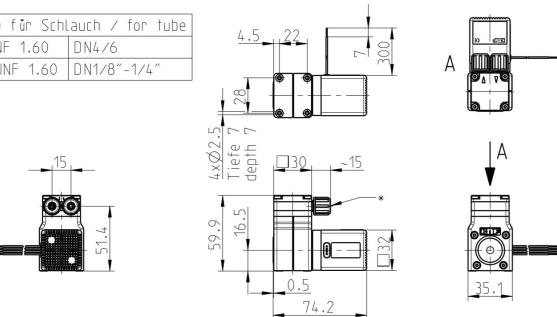
* für Schlauch / for tube
NF 1.60 DN4/6
UNF 1.60 DN1 1/8"-1 1/4"



Dimensions in mm

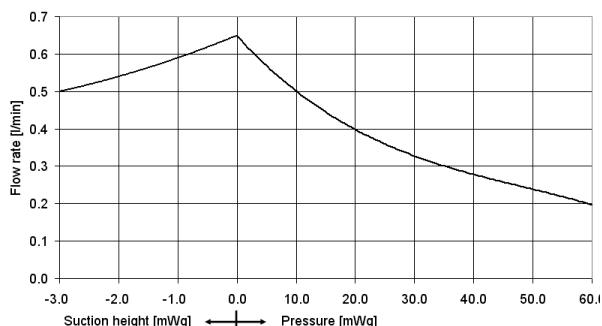
NF 1.60 DCB-4B

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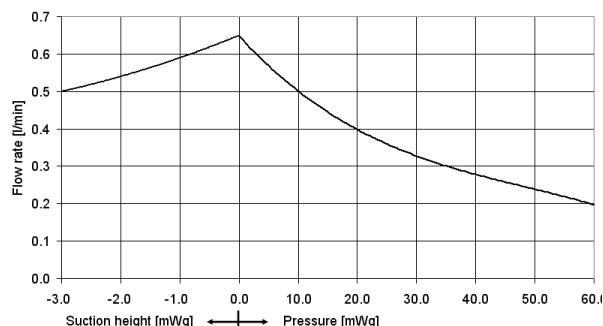


Dimensions in mm

NF 1.60 DCB-B FLOW CURVE



NF 1.60 DCB-4B FLOW CURVE



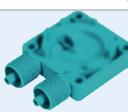
ELECTRIC SPECIFICATIONS

Wires	AWG 24
Wires assignment	red = +VS black = - VS/GND

ELECTRIC SPECIFICATIONS

Wires	AWG 24
Wires assignment	red = +VS black = - VS/GND white = Vctrl-input green = FG-output
Input signal	0-5 V

OPTIONS

Description	Illustration	Details
Motors with special voltages or frequencies		Various voltage options, higher and lower service life
Electrical connectors		Specific customers requirements such as special connections (Molex, AMP, etc.)
Different hydraulic connection types		Compression fittings, internal thread, etc.



DIGITAL CUSTOMIZATION

Thanks to digital technology, this pump can be quickly adapted to the customer's system. This is done by parametrizing the firmware of the motor at KNF.

ACCESSORIES

Description	Illustration	Details
Diaphragm pressure control valve		The pressure control valve can be used for a more accurate control of flow against a fluctuating back pressure, metering into a vacuum and from a pressurised system.
Pulsation damper		This very versatile pulsation damper reduces the vibration in hoses and pipes and it helps to remove pulsation which is preventing the system from functioning correctly.
Filter		KNF filters protect both pumps and other upstream instrumentation and hydraulic circuits against particulate, crystals and fibres.

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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