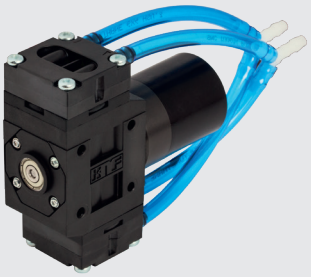
NMP830 HP SERIES
MICRO DIAPHRAGM GAS PUMPS



NMP830KPDC HP



NMP830KPDC-B HP



NMP830.1.2KPDC-B HP

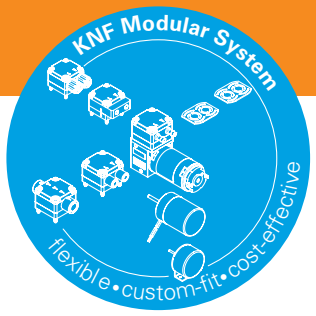
ADVANTAGES

- Uncontaminated flow
- Customizing available
- Maintenance-free
- Long product life
- High pneumatic performance
- Compact size/high power density
- Can operate in any installed position
- All materials FDA certified
- ONE pump for vacuum and pressure application
- < 50 mbar abs 2 head serial

POSSIBLE AREAS OF USE

- Medical
- Reprographic
- Environment
- Security
- Food

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



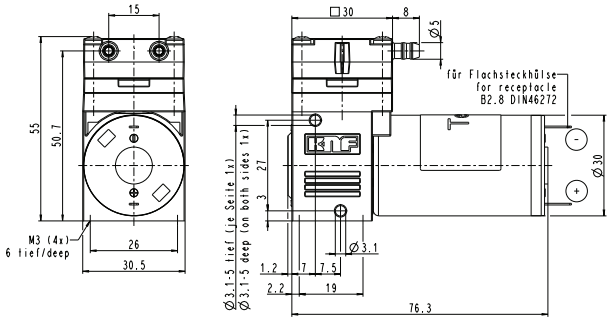
PERFORMANCE DATA												
Series model	**NMP830 HP**						**NMP830.1.2 HP**					
Material design	**KPDC**		**KPDC-B**		**KPDC-B4**		**KPDC**		**KPDC-B**		**KPDC-B4**	
Pump head	PPS						PPS					
Diaphragm	EPDM (FKM and PTFE on request)						EPDM (FKM and PTFE on request)					
Valves	EPDM (FKM and FFKM on request)						EPDM (FKM and FFKM on request)					
Flow rate at atm. pressure (l/min)	5.5		5.5		5.5		8	9	10		10	
Ultimate vacuum (mbar abs.)	200		200		200		200		200		200	
Ultimate pressure (bar rel)	2.1		3.0		3.0		2.1		3.0		3.0	
Permissible media and ambient temperature (° C/° F)	+5° C to +40° C / 41° F to 104° F (-20° C to +60° C / -4° F to 140° F on request)											
Weight (g/oz)	185/6.53		170/6		170/6		340/11.99		230/8.11		230/8.11	
ELECTRICAL DATA												
Voltage (V)	12	24	12	24	12	24	12	24	12	24	12	24
Motor	DC		Brushless DC		Brushless DC		DC		Brushless DC		Brushless DC	
I_{max} (A)	0.93	0.47	1.03	0.52	1.03	0.52	1.48	0.73	1.66	0.86	1.66	0.86

NMP830KPDC HP

PERFORMANCE DATA

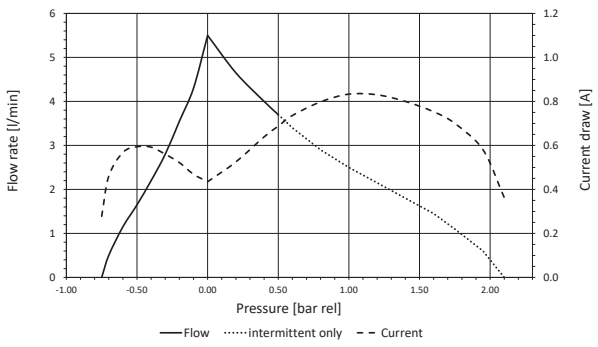
Series model	Flow rate at atm. pressure (l/min)	Max. operating pressure (bar rel)	Ultimate vacuum (mbar abs.)
NMP830KPDC HP 12V	5.5	2.1	200
NMP830KPDC HP 24V	5.5	2.1	200

NMP830KPDC HP

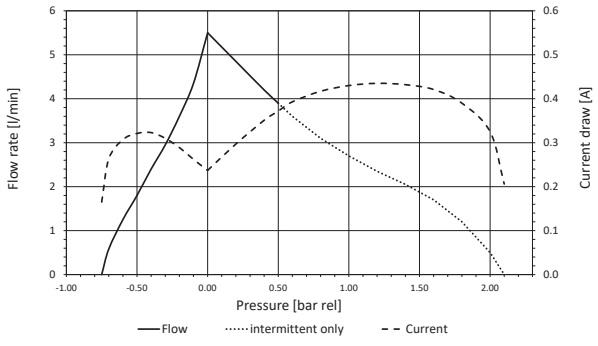


Dimensions in mm

NMP830KPDC HP 12V



NMP830KPDC HP 24V

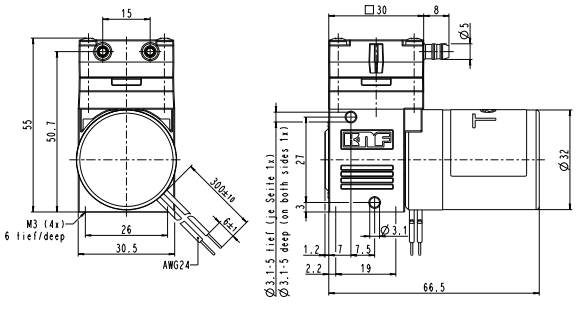


NMP830KPDC-B HP

PERFORMANCE DATA

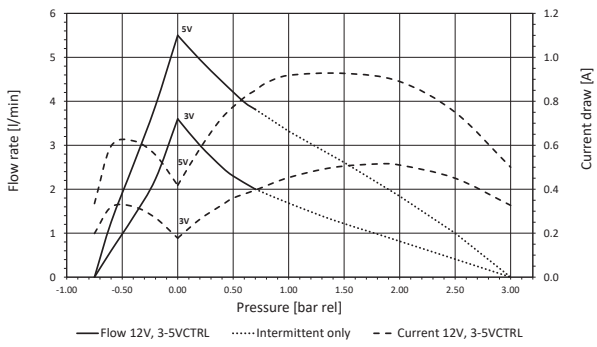
Series model	Flow rate at atm. pressure (l/min)	Max. operating pressure (bar rel)	Ultimate vacuum (mbar abs.)
NMP830KPDC-B HP 12V	5.5	3.0	200
NMP830KPDC-B HP 24V	5.5	3.0	200
NMP830KPDC-B4 HP 12V	5.5	3.0	200
NMP830KPDC-B4 HP 24V	5.5	3.0	200

NMP830KPDC-B HP

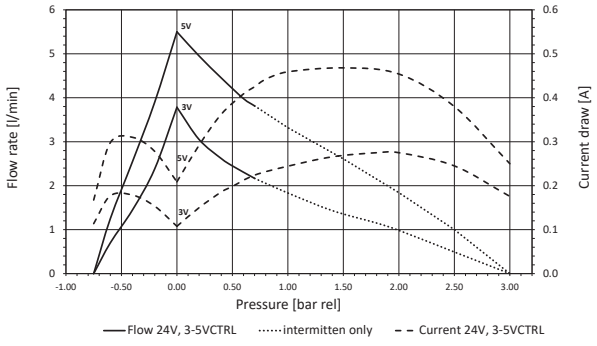


Dimensions in mm

NMP830KPDC-B HP 12V



NMP830KPDC-B HP 24V

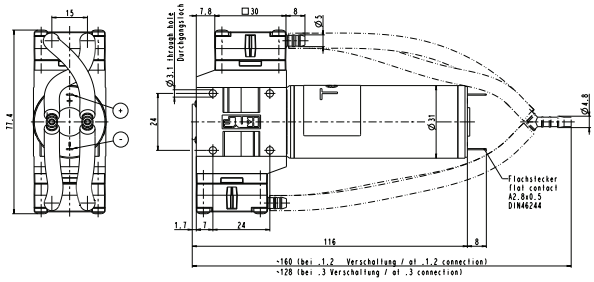


NMP830.1.2KPDC HP

PERFORMANCE DATA

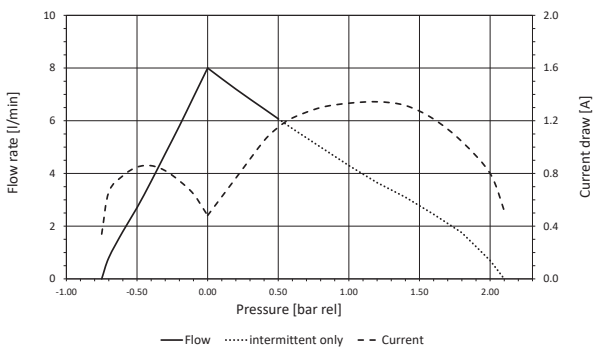
Series model	Flow rate at atm. pressure (l/min)	Max. operating pressure (bar rel)	Ultimate vacuum (mbar abs.)
NMP830.1.2KPDC HP 12V	8	2.1	200
NMP830.1.2KPDC HP 24V	9	2.1	200

NMP830.1.2KPDC HP

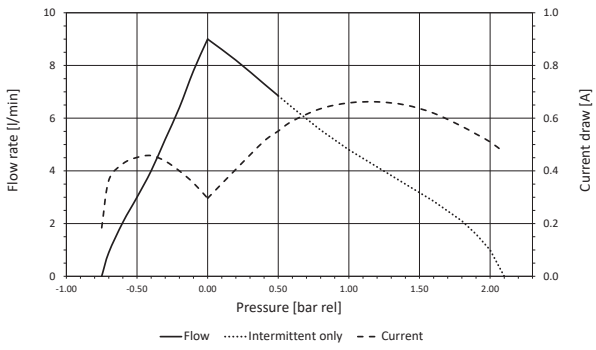


Dimensions in mm

NMP830.1.2KPDC HP 12V



NMP830.1.2KPDC HP 24V

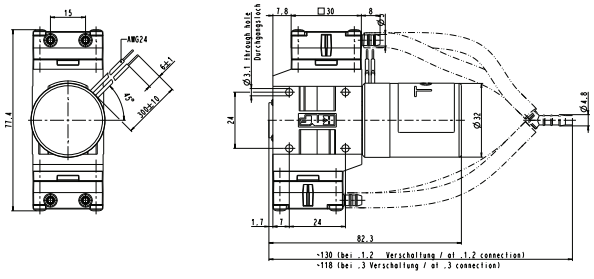


NMP830.1.2KPDC-B HP

PERFORMANCE DATA

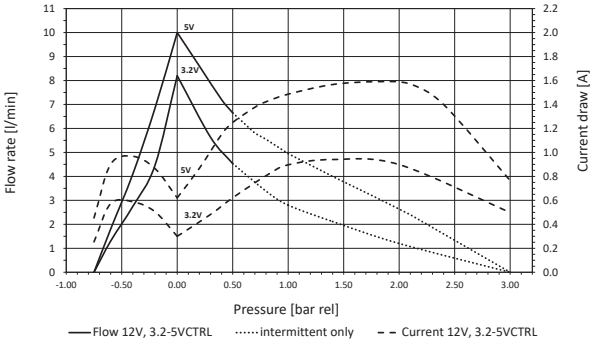
Series model	Flow rate at atm. pressure (l/min)	Max. operating pressure (bar rel)	Ultimate vacuum (mbar abs.)
NMP830.1.2KPDC-B HP 12V	10	3.0	200
NMP830.1.2KPDC-B HP 24V	10	3.0	200
NMP830.1.2KPDC-B4 HP 12V	10	3.0	200
NMP830.1.2KPDC-B4 HP 24V	10	3.0	200

NMP830.1.2KPDC-B HP

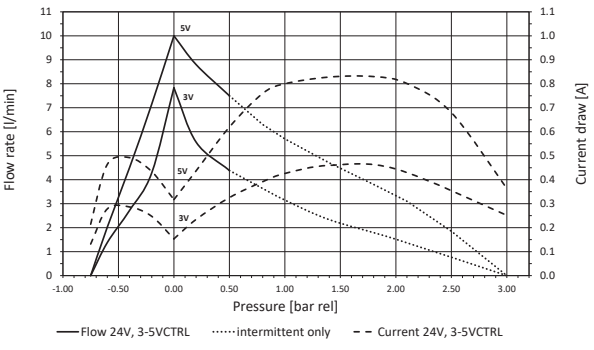


Dimensions in mm

NMP830.1.2KPDC-B HP 12V



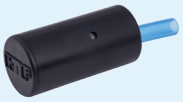
NMP830.1.2KPDC-B HP 24V



OPTIONS

Description	Illustration	Part No.	Details
Motors			Other motor options are available. Ask your KNF sales contact to find the best solution for you.
Connecting plate			DN4/6 connecting plate M5 inside thread UNF ¼"- 28 inside thread
Eccentric			Other eccentricities are available to meet your operating point best.

ACCESSORIES

Description	Illustration	Part No.	Details
Silencer		024805	For hose barbs
Silencer		314005	For DN4/6 connecting plate
Mounting plate		162405	Hole distance 43x22mm. Inner diameter of the sleeve is 3.5 mm, screws are not included.

SPARE PARTS

Description	Illustration	Part No.	Details
Spare part kit for KP version		317273	One Kit per head containing vale, O-Ring and Diaphragm. For a double head pump two kits are required.

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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