

NMP850 HP SERIES

MICRO DIAPHRAGM GAS PUMPS



NMP850KPDC-B HP



NMP850.1.2KPDC-B HP

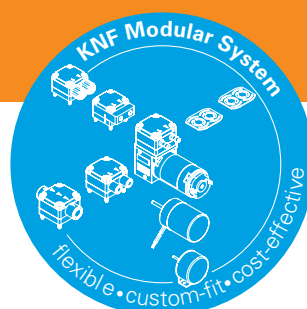
ADVANTAGES

- Uncontaminated flow
- Customizing available
- Maintenance-free
- Long product life
- High pneumatic performance
- Compact size/high power density
- Can operate in any installed position
- High condensate resistance
- FDA certified
- ONE pump for vacuum and pressure application
- < 50 mbar abs 2 head serial
- Customized single head pump up to 9 l/m

POSSIBLE AREAS OF USE

- Medical
- Reprographic
- Environment
- Security
- Food

Please visit our website
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 to get more information.



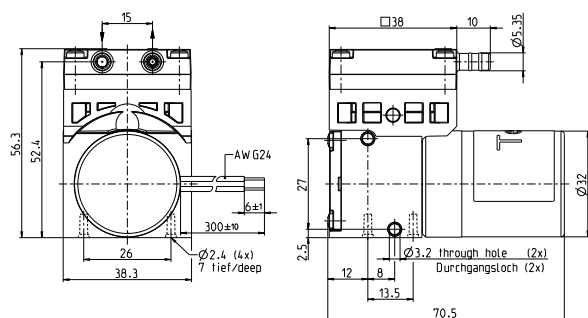
PERFORMANCE DATA								
Series model	NMP850 HP				NMP850.1.2 HP			
Material design	KPDC-B	KPDC-B4			KPDC-B	KPDC-B4		
Pump head	PPS				PPS			
Diaphragm	EPDM (FKM and PTFE on request)				EPDM (FKM and PTFE on request)			
Valves	EPDM (FKM and FFKM on request)				EPDM (FKM and FFKM on request)			
Flow rate at atm. pressure (l/min)	7		7		15	16	15	16
Ultimate vacuum (mbar abs.)	200		200		200		200	
Ultimate pressure (bar rel)	2.5		2.5		2.5		2.5	
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)	190/6.7		190/6.7		380/13.4		380/13.4	
ELECTRICAL DATA								
Voltage (V)	12	24	12	24	12	24	12	24
Motor	Brushless DC, 2 wire		Brushless DC, 4 wire		Brushless DC, 2 wire		Brushless DC, 4 wire	
I _{max} (A)	1.1	0.62	1.1	0.62	2.4	1.3	2.4	1.3

NMP850KPDC-B HP

PERFORMANCE DATA

Series model	Flow rate at atm. pressure (l/min)	Max. operating pressure (bar rel)	Ultimate vacuum (mbar abs.)
NMP850KPDC-B HP 12V	7	2.5	200
NMP850KPDC-B HP 24V	7	2.5	200

NMP850KPDC-B HP



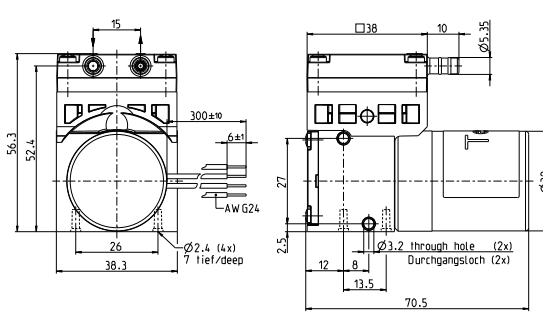
Dimensions in mm

NMP850KPDC-B4 HP

PERFORMANCE DATA

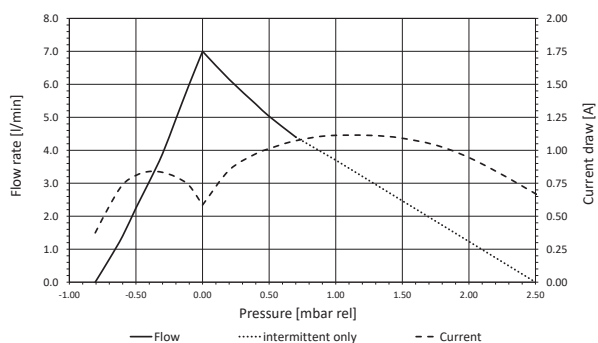
Series model	Flow rate at atm. pressure (l/min)	Max. operating pressure (bar rel)	Ultimate vacuum (mbar abs.)
NMP850KPDC-B4 HP 12V	7	2.5	200
NMP850KPDC-B4 HP 24V	7	2.5	200

NMP850KPDC-B4 HP

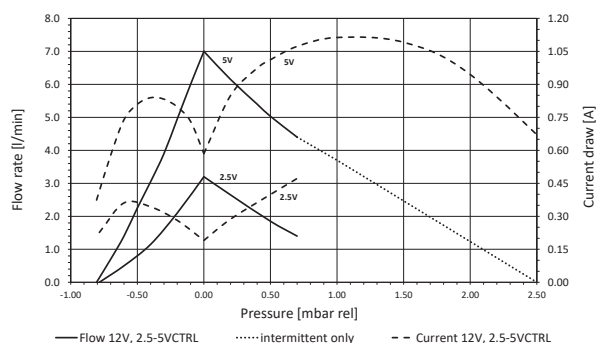


Dimensions in mm

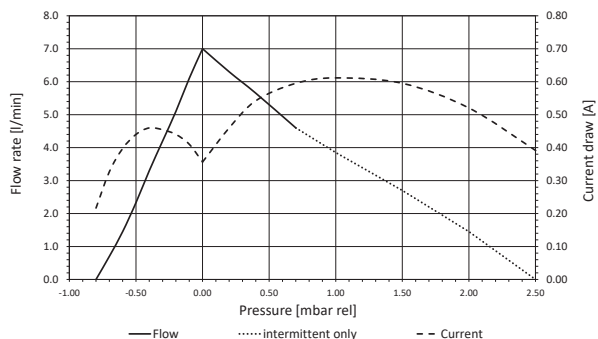
NMP850KPDC-B HP 12V



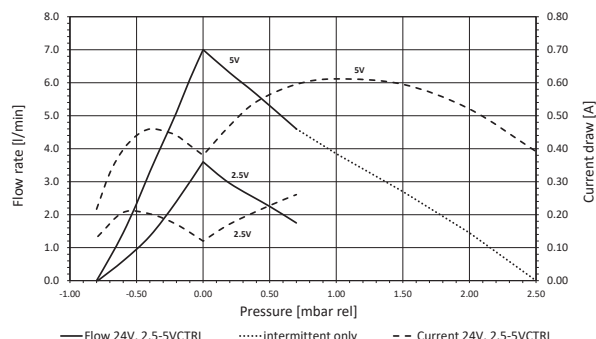
NMP850KPDC-B4 HP 12V



NMP850KPDC-B HP 24V



NMP850KPDC-B4 HP 24V

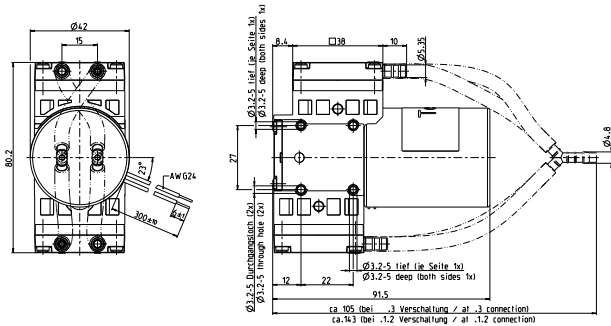


NMP850.1.2KPDC-B HP

PERFORMANCE DATA

Series model	Flow rate at atm. pressure (l/min)	Max. operating pressure (bar rel)	Ultimate vacuum (mbar abs.)
NMP850.1.2KPDC-B HP 12V	15	2.5	200
NMP850.1.2KPDC-B HP 24V	16	2.5	200

NMP850.1.2KPDC-B HP



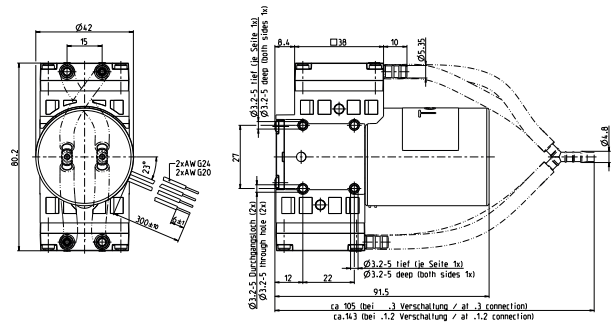
Dimensions in mm

NMP850.1.2KPDC-B4 HP

PERFORMANCE DATA

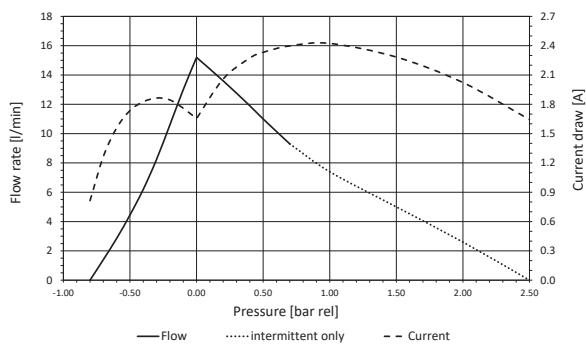
Series model	Flow rate at atm. pressure (l/min)	Max. operating pressure (bar rel)	Ultimate vacuum (mbar abs.)
NMP850.1.2KPDC-B4 HP 12V	15	2.5	200
NMP850.1.2KPDC-B4 HP 24V	16	2.5	200

NMP850.1.2KPDC-B4 HP

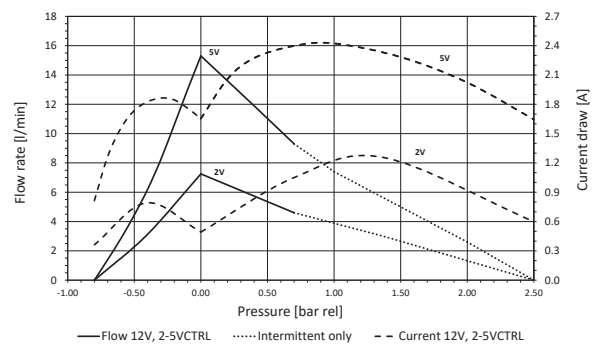


Dimensions in mm

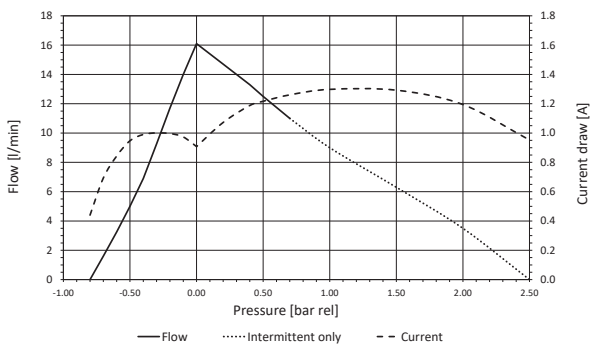
NMP850.1.2KPDC-B HP 12V



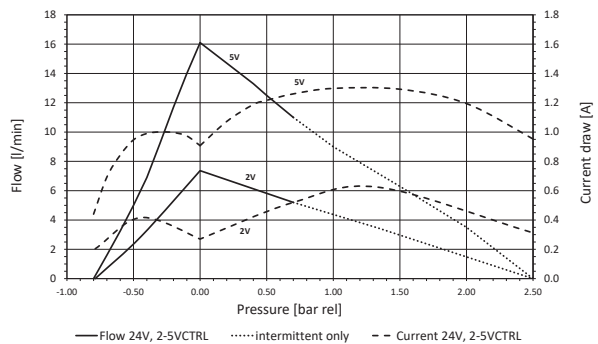
NMP850.1.2KPDC-B4 HP 12V



NMP850.1.2KPDC-B HP 24V



NMP850.1.2KPDC-B4 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 1/4" - 28 inside thread
Eccentric			Other eccentricities are available to meet your operating point best.

ACCESSORIES			
Description	Illustration	Part No.	Details
Silencer		111524	For hose barbs
Silencer		314005	For DN4/6 connecting plate

SPARE PARTS			
Description	Illustration	Part No.	Details
Spare part kit for KP version		322814	One Kit per head containing vale 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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