

NMP830.HP DOUBLE-HEAD SERIES MICRO DIAPHRAGM GAS PUMPS



NMP830.1.2KPDC-B4 HP



NMP830.3KVDC-B4 HP

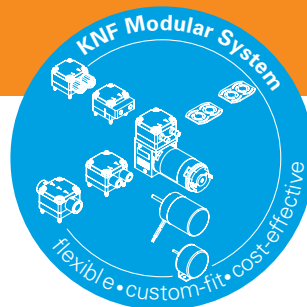
ADVANTAGES

- 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 approved wetted material
- ONE pump for vacuum and pressure application

POSSIBLE AREAS OF USE

- Medical
- Reprographic
- Environment
- Security
- Food

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PERFORMANCE DATA				
Series model	NMP830.1.2 HP		NMP830.3 HP	
Material design	KPDC-B4		KVDC-B4	
Pump head	PPS		PPS	
Diaphragm	EPDM (FKM and PTFE on request)		FKM (EPDM and PTFE on request)	
Valves/Sealing	EPDM (FKM and FFKM on request)		FKM (EPDM and FFKM on request)	
Flow rate at atm. pressure (l/min)	9		3.7	
Ultimate vacuum (mbar abs.)	230		55	
Ultimate pressure (bar rel)	3		-	
Permissible media and ambient temperature (° C/° F)	+5° C to +40° C / 41° F to 104° F (extended temperature on request)			
Weight (g/oz)	230/8.11		220/7.76	
ELECTRICAL DATA				
Voltage (V)	12	24	12	24
Motor	Brushless DC, 4 wire (2 wires on request)		Brushless DC, 4 wire (2 wires on request)	
I _{max} (A)	1.5	0.8	0.85	0.5

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		338498	For hose barbs
Silencer		314005	For DN4/6 connecting plate
Mounting plate		325885	Hole distance 47 x 78mm. Inner diameter of the sleeve is 3.5 mm, screws are not included.
Rubber-bonded metal		On request	

SPARE PARTS			
Description	Illustration	Part No.	Details
Spare part kit NMP830 KP HP NMP830 KV HP NMP830 KT HP		317273 317274 317275	One Kit per head containing valve, 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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