

NF 100

DIAPHRAGM LIQUID PUMP



ADVANTAGES

- Self priming and excellent for pressure
- Extreme chemical resistance
- Dry running, durable and maintenance free
- Available with integrated overpressure relief valve (Version .27)

POSSIBLE AREAS OF USE

- Analysers
- Laboratory
- Cleaning industry
- Printing

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



PERFORMANCE DATA

Series model	NF 100 DC				NF 100 DCB*
	KP	KT	TT	FT	
Material options					
Pump head	PP	PP	PVDF	PTFE	
Diaphragm	PTFE	PTFE	PTFE	PTFE	
Valves	EPDM	FFKM	FFKM	FFKM	
Flow rate (l/min)	1.2				
Suction height (mWg)	3				
Pressure head (mWg)	10				
Permissible ambient air (°C)	5 to 40				
Permissible liquid temperature (°C)	5 to 80				
Weight (g)	600				480
IP protection factor pump	50				30

ELECTRICAL DATA

Operating voltage (V)	12 / 24	12 / 24
Power consumption (W)	10.8 / 10.8	11.2 / 10.3
I max. load (A)	0.9 / 0.45	0.93 / 0.46

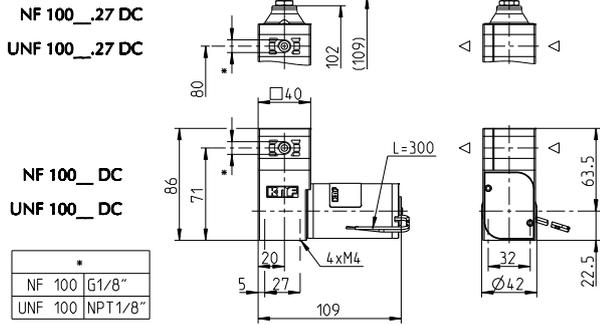
* DCB = Stands for brushless DC motor

NF 100 DC

PERFORMANCE DATA

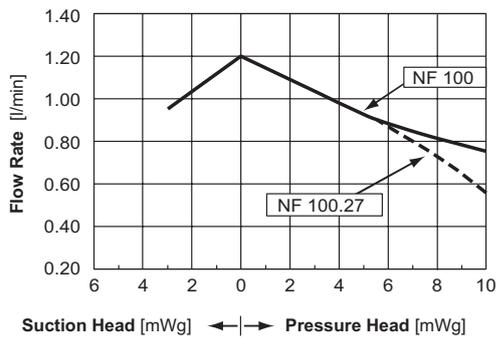
Series model	Flow rate at atm. pressure (l/min)	Max. suction height (mWg)	Max. pressure head (mWg)
NF 100 DC	1.2	3	10

NF 100 DC



Dimensions in mm

NF 100 DC FLOW CURVE

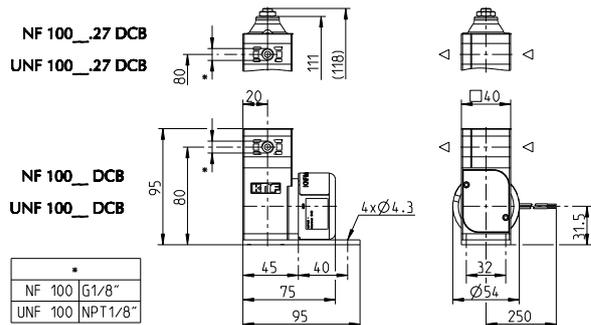


NF 100 DCB

PERFORMANCE DATA

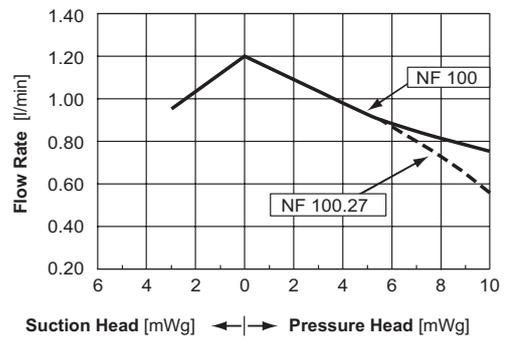
Series model	Flow rate at atm. pressure (l/min)	Max. suction height (mWg)	Max. pressure head (mWg)
NF 100 DCB	1.2	3	10

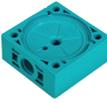
NF 100 DCB



Dimensions in mm

NF 100 DCB FLOW CURVE



OPTIONS		
Description	Illustration	Details
Motors		Various voltage options, higher and lower service life
Electrical connections		Molex, AMP etc.
Hydraulic connections		G / NPT Internal thread.



NSF National Sanitary Foundation

This certification will confirm that all of the pumps with the code .51 are certified for the use with foods/consumables.

ACCESSORIES			
Description	Illustration	Part No.	Details
Diaphragm pressure control valve (Version .27)		On request	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		KP: 068887/153135 KT: 068888/153135 TT: 068889/153136	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.
Hose Connector		168555	Straight hose barb suitable for lower pressures. Connection: DN 08 Material: ETFE O-Ring: EPDM Thread: NPT 1/8"
Hose Connector		168547	Straight hose barb suitable for lower pressures. Connection: DN 08 Material: ETFE O-Ring: FFKM Thread: NPT 1/8"
Hose Connector		168554	Straight hose barb suitable for lower pressures. Connection: DN 08 Material: ETFE O-Ring: EPDM Thread: R 1/8"
Hose Connector		168546	Straight hose barb suitable for lower pressures. Connection: DN 08 Material: ETFE O-Ring: FFKM Thread: R 1/8"

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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