NF 300
DIAPHRAGM LIQUID PUMP

NF 300 KP.51DC

NF 300 KPAA

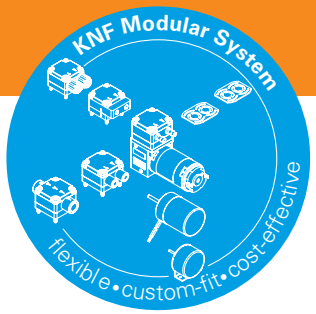
ADVANTAGES

- 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.



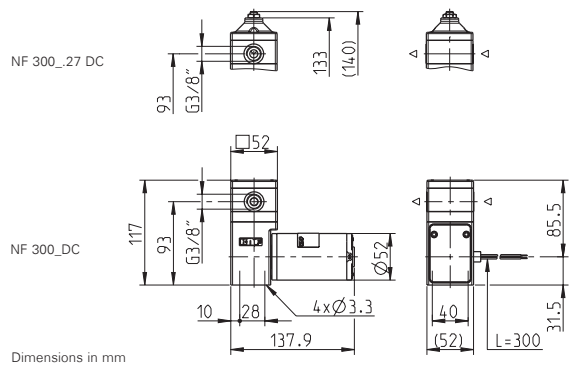
PERFORMANCE DATA				
Series model	**NF 300 DC**		**NF 300 DCB**	**NF 300 AA**
Material options	**KP**	**KT**	**TT**	**FT**
Pump head	PP		PVDF	PTFE
Diaphragm	PTFE			
Valves	EPDM	FFKM		
Flow rate at atm. pressure (l/min)	3			
Suction height (mWg)	3			
Pressure head (mWg)	10			
Permissible ambient air (°C)	5 to 40			
Permissible liquid temperature (°C)	5 to 80			
Weight (kg)	1		2.8	
IP protection factor	50		54	54
ELECTRICAL DATA				
Operating voltage (V)	12 / 24		12 / 24	230 V / 50 Hz
Power consumption (W)	20 / 20		35 / 35	91
I load max. (A)	1.6 / 0.8		2.1 / 1.19	0.39

NF 300 DC

PERFORMANCE DATA

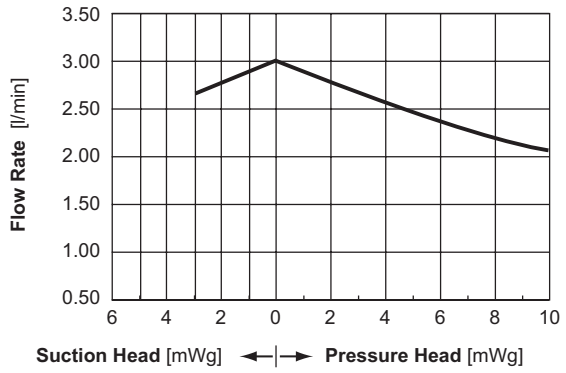
Series model	Flow rate at atm. pressure (l/min)	Max. suction height (mWg)	Max. pressure head (mWg)
NF 300 DC	3	3	10

NF 300 DC



Dimensions in mm

NF 300 DC FLOW CURVE

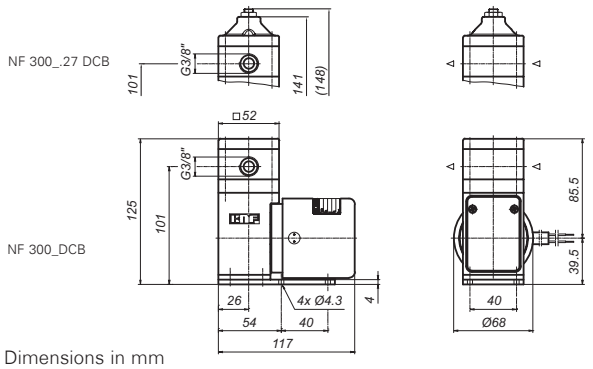


NF 300 DCB

PERFORMANCE DATA

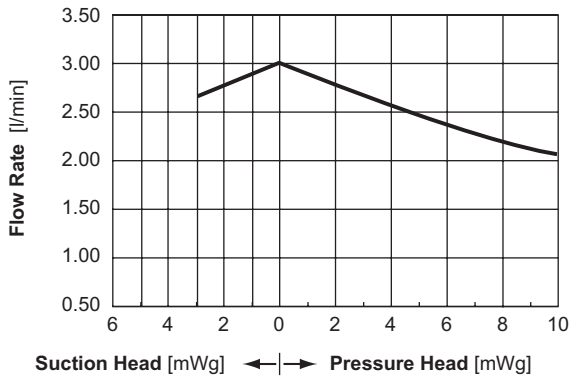
Series model	Flow rate at atm. pressure (l/min)	Max. suction height (mWg)	Max. pressure head (mWg)
NF 300 DCB	3	3	10

NF 300 DCB



Dimensions in mm

NF 300 DCB FLOW CURVE

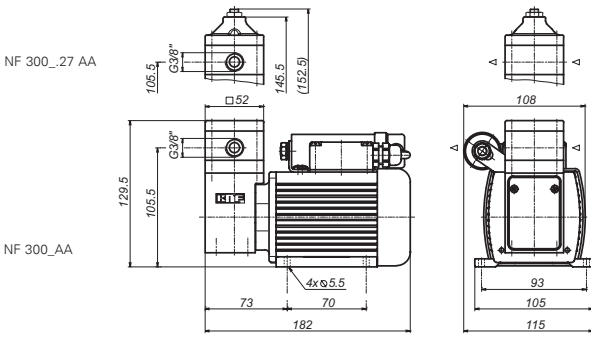


NF 300 AA

PERFORMANCE DATA

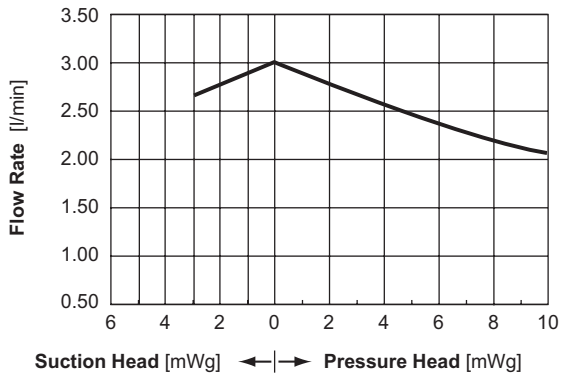
Series model	Flow rate at atm. pressure (l/min)	Max. suction height (mWg)	Max. pressure head (mWg)
NF 300 AA	3	3	10

NF 300 AA



Dimensions in mm

NF 300 AA 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	Details
Diaphragm pressure control valve (.27 version)		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 ans pipes and it helps to remove pulsation which ist preventing the system from functionning correctly.

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.

www.knf.com

KNF reserves the right to make technical changes without notice.
KNF 02/2019. www.knf.com

YOUR LOCAL PARTNER AROUND THE WORLD

KNF SALES ORGANIZATION

Australia KNF Regional Office
Moreland West VIC 3055
Tel. +61 3 9386 4959
info@knf.com.au
www.knf.com.au

Benelux Netherlands KNF Verder B.V.
3451 GG Vleuten
Tel. +31 30 677 92 40
info@knf-verder.nl
www.knf-verder.nl

Benelux Belgium and Luxemburg
KNF Verder N.V.
2630 Aartselaar
Tel. +32 3 871 96 24
info@knf.be
www.knf.be

China KNF Technology (Shanghai) Co., Ltd.
Shanghai 201203
Tel. +86 21 5109 9695
info@knf.com.cn
www.knf.com.cn

France KNF Neuberger SAS
68128 Village-Neuf
Tel. +33 389 70 35 00
info@knf.fr
www.knf.fr

Germany KNF Neuberger GmbH
79112 Freiburg
Tel. +49 7664 5909 0
info@knf.de
www.knf.de

India KNF Pumps + Systems (India) Pvt. Ltd.
Hinjewadi Pune 411 057
Tel. +91 20 640 13 923
info@knfpumps.in
www.knfpumps.in

Italy KNF Italia S.r.l.
20063 Cernusco s. Naviglio (MI)
Tel. +39 02 929 04 91
info@knf.it
www.knf.it

Japan KNF Japan Co. Ltd.
Tokyo 104-0033
Tel. +81 3 3551 7931
info@knf.co.jp
www.knf.co.jp

Korea KNF Neuberger Ltd.
135-502 Seoul
Tel. +82 2 959 0255
knf@knfkorea.com
www.knfkorea.com

Latin America KNF Regional Office
Tel. +1 609 649 1010
gb@knf.com
www.knf.com/es

Morocco, Tunisia, Algeria
KNF Neuberger SAS
68128 Village-Neuf
Tel. +33 389 70 35 00
info@knf.fr
www.knf.fr

Singapore KNF Regional Office
Tel. +65 9722 1994
info@knf.com.sg
www.knf.com.sg

Sweden, Finland, Denmark, Norway
KNF Neuberger AB
117 43 Stockholm
Tel. +46 8 744 51 13
info@knf.se
www.knf.se

Switzerland KNF Neuberger AG
8362 Balterswil
Tel. +41 71 973 99 30
knf@knf.ch
www.knf.ch

UK, Ireland KNF Neuberger U.K., Ltd.
Witney, Oxfordshire OX28 4FA
Tel. +44 1993 77 83 73
info@knf.co.uk
www.knf.co.uk

USA, Canada KNF Neuberger, Inc.
Trenton, NJ 08691-1810
Tel. +1 609 890 8600
knfusa@knf.com
www.knfusa.com

KNF PRODUCT CENTERS

Gas Pumps KNF Neuberger GmbH
DE-79112 Freiburg
info@knf.de
www.knf.de

Micro Gas Pumps KNF Micro AG
CH-6260 Reiden
info@knf-micro.ch
www.knf-micro.ch

Liquid Pumps KNF Flodos AG
CH-6210 Sursee
info@knf-flodos.ch
www.knf-flodos.ch