

NMP03 SERIES MICRO DIAPHRAGM GAS PUMPS



NMP03KPDC-M



NMP03KPDC-L



NMP03KPDC-B1

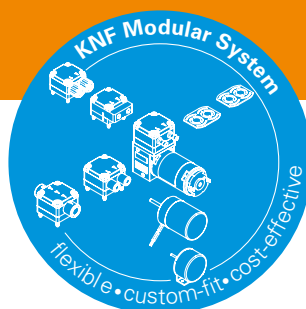
ADVANTAGES

- Customizing available
- Tested to customers specs
- High performance to size, efficiency and weight ratio
- Excellent reliability/durability
- Speed controllable
- Low sound level
- Long service life
- Uncontaminated transfer
- Maintenance-free
- High chemical resistance
- Can be installed in any position

POSSIBLE AREAS OF USE

- Medical devices
- Analytical equipment
- Emission measurement
- Reprographic
- Degassing
- Safety/Security
- Portable devices

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



PERFORMANCE DATA

Series model	NMP03				
Material design	KPDC-S	KPDC-M	KPDC-L	KPDC-B1	KPDC-B3
Pump head	PPS				
Diaphragm	EPDM (FKM and FFKM on request)				
Valves	EPDM (FKM and FFKM on request)				
Flow rate at atm. pressure (l/min)	0.33	0.3	0.32	0.32	0.32
Ultimate vacuum (mbar abs.)	600	600	600	600	600
Ultimate pressure (bar rel)	0.37	0.35	0.35	0.37	0.37
Permissible media and ambient temperature (° C/° F)	-20° C to +60° C (-4° F to 140° F)				
Weight (g/oz)	10.8/0.38	13.9/0.49	13.1/0.46	10.9/0.38	12.7/0.45

ELECTRICAL DATA

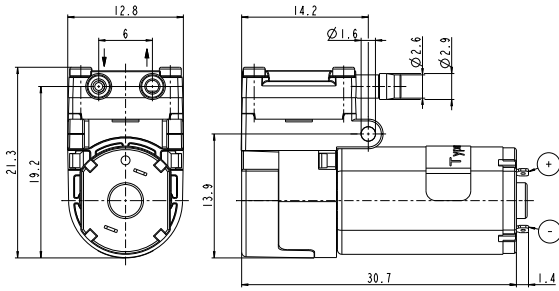
Voltage (V)	2.5	1.3	2.0	3.3	3.3
Motor	DC	DC	DC	Brushless DC without electronic	Brushless DC with external electronic
I _{max} (A)	0.08	0.13	0.07	0.05	0.05

NMP03KPDC-S

PERFORMANCE DATA

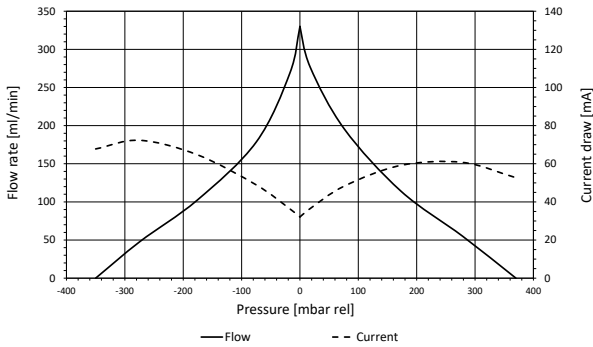
Series model	Flow rate at atm. pressure (l/min)	Max. operating pressure (bar rel)	Ultimate vacuum (mbar abs.)
NMP03KPDC-S 2.5 V	0.33	0.37	600

NMP03KPDC-S



Dimensions in mm

NMP03KPDC-S 2.5 V FLOW CURVE

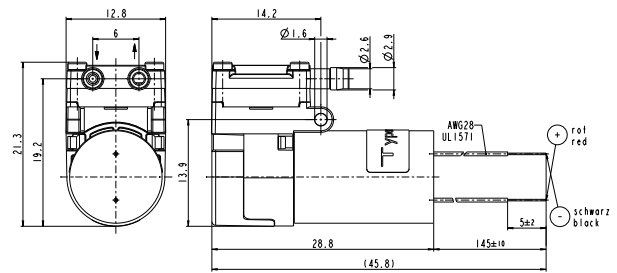


NMP03KPDC-M

PERFORMANCE DATA

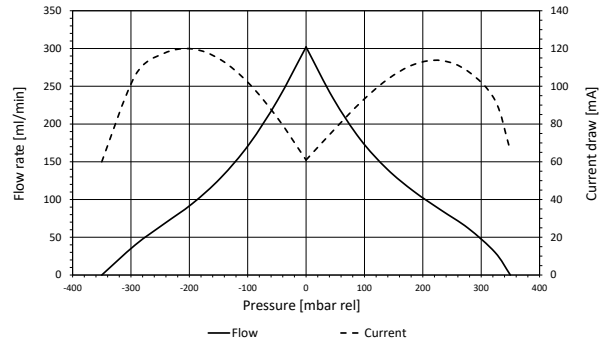
Series model	Flow rate at atm. pressure (l/min)	Max. operating pressure (bar rel)	Ultimate vacuum (mbar abs.)
NMP03KPDC-M 1.3 V	0.3	0.35	600

NMP03KPDC-M

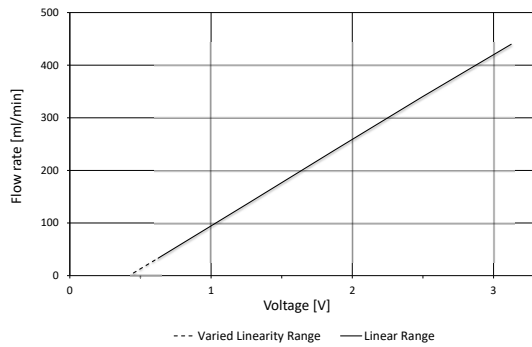


Dimensions in mm

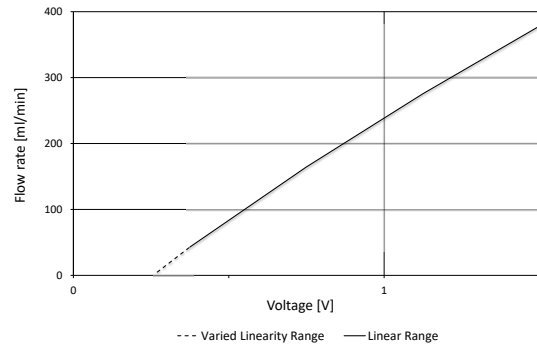
NMP03KPDC-M 1.3 V FLOW CURVE



NMP03KPDC-S LINEARITY



NMP03KPDC-M LINEARITY



OPTIONS			
Description	Illustration	Part No.	Details
Motors		On request	Other motors and voltages on request.
Connecting plate		On request	Customer specific connecting plates on request.
Eccentric		On request	Different eccentricities on request.

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

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 Balzerswil
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