NFB 100 DIAPHRAGM LIQUID PUMP

ADVANTAGES
• Self priming and excellent for pressure
• Extreme chemical resistance
• Dry running, durable and maintenance free
• Low pulsation

POSSIBLE AREAS OF USE
• Analysers
• Laboratory
• Cleaning industry
• Printing

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

PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Material options</th>
<th>NFB 100 DCB-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Series model</td>
<td>NFB 100 DCB-4</td>
</tr>
<tr>
<td>Pump head</td>
<td>PP</td>
</tr>
<tr>
<td>Diaphragm</td>
<td>PTFE</td>
</tr>
<tr>
<td>Valves</td>
<td>EPDM</td>
</tr>
<tr>
<td>Flow rate at atm. pressure (l/min)</td>
<td>2 x 1.3</td>
</tr>
<tr>
<td>Suction height (mWg)</td>
<td>3</td>
</tr>
<tr>
<td>Pressure head (mWg)</td>
<td>10</td>
</tr>
<tr>
<td>Permissible ambient air (°C)</td>
<td>5 to 40</td>
</tr>
<tr>
<td>Permissible liquid temperature (°C)</td>
<td>5 to 80</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>640</td>
</tr>
<tr>
<td>IP protection factor</td>
<td>30</td>
</tr>
</tbody>
</table>

ELECTRICAL DATA

| Operating voltage (V) | 12 | 24 |
| Power consumption (W) | 15 | 15 |
| I load max. (A)       | 1.25 | 0.63 |
### NFB 100 DCB-4

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#### NFB 100 DCB-4 Dimensions in mm

- 1.40
- 1.20
- 1.00
- 0.80
- 0.60
- 0.40
- 0.20

#### NFB 100 DCB-4 FLOW CURVE (PER HEAD)

- Flow Rate [l/min]
- Suction Head [mWg] and Pressure Head [mWg]

#### NFB 100 DCB-4 CONTROL CURVE (PER HEAD)

- Flow rate vs. Control voltage [VDC]
Diaphragm pressure control valve
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 and pipes and it helps to remove pulsation which is preventing the system from functioning correctly.

Tubing
E.g. parallel connection of heads for low pulsation.

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.

Motors
Various voltage options, higher and lower service life

Electrical connections
Molex, AMP etc.

Hydraulic connections
G / NPT internal thread.

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