Humidifying Nozzles Type B

Application

The Type B Humidifying nozzles were originally designed for use with power humidifiers to be sprayed into the duct work of home hot air furnaces as extra fine atomization and precise control of flow rates were required. These nozzles produce the finest possible atomization with direct water pressure operation.

Identification

The nozzles are marked with the following information:

<table>
<thead>
<tr>
<th>B100</th>
<th>Ηηηη</th>
<th>12345</th>
</tr>
</thead>
</table>

Stamped on the flats

<table>
<thead>
<tr>
<th>B100</th>
<th>1.00 US gal/h at 40 psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>12345</td>
<td>Batch code</td>
</tr>
</tbody>
</table>

Technical Data

Material and construction

416 Stainless steel: Type 416 stainless steel is a high chrome grade of stainless steel that is rust resisting, but not absolutely rust proof. Good resistance to erosion at higher water pressures. Medium corrosion resistance.

Pressure vs. Flow

For general purposes, change in flow rate due to change in pressure can be estimated as being approximately equal to the square root of the pressure ratio.

Therefore: \[ \text{Flow rate at the desired pressure} = \sqrt{40} \times \text{Rated flow at 40 PSI} \]

Recommended tightening torque

130-180 in-lbs (15-20 Nm)

Maximum tightening torque

180 in-lbs (20 Nm)
**Data sheet**  
Humidifying Nozzles Type B

**Design**

- **A:** Tip
- **B:** Disc
- **C:** Strainer
- **D:** Locknut

**Spray angles**

Dimensions for reference only.

**Dimensions**

- **A:** Tip
- **B:** Disc
- **C:** Strainer
- **D:** Locknut

**Program**

<table>
<thead>
<tr>
<th>Size</th>
<th>Code number</th>
<th>US gal/h at 40 psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>B37</td>
<td>030L4720</td>
<td>0.37</td>
</tr>
<tr>
<td>B50</td>
<td>030L4723</td>
<td>0.50</td>
</tr>
<tr>
<td>B75</td>
<td>030L4726</td>
<td>0.75</td>
</tr>
<tr>
<td>B100</td>
<td>030L4728</td>
<td>1.00</td>
</tr>
<tr>
<td>B150</td>
<td>030L4729</td>
<td>1.50</td>
</tr>
<tr>
<td>B200</td>
<td>030L4731</td>
<td>2.00</td>
</tr>
</tbody>
</table>

---

Danfoss A/S  
Heating Segment • heating.danfoss.com • +45 7488 2222 • E-Mail: heating@danfoss.com

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and all Danfoss logotypes are trademarks of Danfoss A/S. All rights reserved.