Humidifying Nozzles Type B

Application

Minimum operating pressure is 40 PSI but increasingly finer droplets result from higher operating pressure. Each nozzle is individually spray tested for accuracy of flow rate, spray angle and spray quality.

Application and Features
- Residential duct humidification
- Evaporation cooling
- Humidification
- Moistening
- Misting

Availability
- Standard spray angle is 70°

Available Accessories
- Adapters

Identification

The nozzles are marked with the following information:

<table>
<thead>
<tr>
<th>B100</th>
<th>Humidifying Nozzles, 100 = 1.00 US gal/h at 40 psi</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Batch code for internal use</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 resistant, 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: Flow rate at the desired pressure = \[ \text{RATED FLOW at 40 PSI} \times \sqrt{\frac{\text{DESIRED PRESSURE}}{40}} \]

Recommended tightening torque
130-180 in-lbs (15-20 Nm)

Maximum tightening torque
180 in-lbs (20 Nm)
Humidifying Nozzles Type B

Design

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

Spray angles

Dimensions for reference only.

Dimensions

Spray angles

Design

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

Toronto, ON/Baltimore, MD
Toll Free: 888-DANFOSS (326-3677) Option #3 for Heating
heating.danfoss.us
heating.cs.na@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 the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.