Data sheet

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:

- **12345B100**
  - Stamped on the flats
  - B = Humidifying Nozzles, 100 = 1.00 US gal/h at 40 psi
  - Batch code for internal use

Application and Features

- Residential duct humidification
- Evaporation cooling
- Humidification
- Moistening
- Misting

Availability

- Standard spray angle is 70°

Available Accessories

- Adapters

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 = \[ \text{RATED FLOW at 40 PSI} \times \frac{\text{DESIRED PRESSURE}}{40} \]

Recommended tightening torque

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

120 μm stainless steel filter

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

Spray angles  
- 70°

Dimensions  
*Dimensions for reference only.*

Program  
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<th>Size</th>
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<th>US gal/h at 40 psi</th>
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