Data Sheet

Oil Nozzles Types AH, AS, AB and OD

Application

Oil nozzles type AH, AS, AB and OD are designed for residential high-pressure oil burners. AH, AS and AB are available with 4 different spray angles and sizes from 0.4 to 3 USgal/h. For other sizes, please request our standard OD program, which covers from 0.30 to 35 USgal/h. Nozzle sizes up through 1.75 USgal/h are equipped with sintered bronze filters. Larger sizes have monel strainers.

Features
- Light and heavy oil
- CSA certified nozzles from 0.4 to 2.0 Usgal/h
- 100% test of capacity and performance

Identification

The nozzles are marked with the following information (example shows type AH):

Stamped on the flats:
- Serial number for internal use
- CSA Certification marking
- Capacity (USgal/h)
- Specification point: 100 psi (7 bar), 37 SSU (4.3 cSt.), 6.84 lb/gal (820 kg/m³)
- Spray angle
- AH Spray pattern:
  - AH, OD-H = Hollow
  - AS, OD-S = Solid
  - AB, OD-B = Semi-solid

Technical Data

Program

For sizes available please refer to nozzle matrix in Product Overview, Oil Burner Nozzles Series - Brass. Please also refer to our program of Hago Steel Nozzles, Oil Burner Nozzles Series - Steel.

Recommended tightening torque
- 11 to 15 ft. lbf (15 to 20 Nm)

Maximum tightening torque
- 18.5 ft. lbf (25 Nm)

Filters

Capacity 0.4 - 1.75 USgal/h
75 µm sintered bronze

Design

A: Nozzlehousings
B: Bottom screw
C: Nozzle cone
D: Orifice disc
H: Filter
Data Sheet

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Spray angles

<table>
<thead>
<tr>
<th>AH, OD-H</th>
<th>AS, OD-S</th>
<th>AB, OD-B</th>
</tr>
</thead>
<tbody>
<tr>
<td>40°</td>
<td>60°</td>
<td>70°</td>
</tr>
<tr>
<td>70°</td>
<td>80°</td>
<td></td>
</tr>
</tbody>
</table>

Schematic spray patterns

- Hollow
- Solid
- Semi-solid

Dimensions

- 5/8" HEX (16mm)
- 0.55 (14.0mm)
- 0.44 (11.2mm)
- Max. OD: 0.446 (11.4mm)
- 9/16-24 UNEF

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