

Oil Nozzles

Types AH, AS, AB and OD



General Data Sheet

For specific information on this product, please contact Danfoss Burner Components

Identification

The nozzle is marked with the following information:



Example shows oil nozzle type AH.

	Serial number for internal use
CSA	Certification marking
0.50	Capacity (USgal/h)
Specification point:	100 psi (7 bar), 37 SSU (4.3 cSt.), 6.839 lb/gal (820 kg/m ³) Capacity tolerance: ± 4% (sizes 0.30-0.35: ± 6%)
60°	Spray angle
AH	Spray pattern (AH = Hollow) (AS, OD-S = Solid) (AB, OD-B = Semi-solid)

Oil nozzles type AH, AS, AB and OD are designed for domestic high-pressure oil burners. They are available with 6 different spray angles and sizes from 0.3 to 35 USgal/h. Nozzle sizes up through 1.75 USgal/h are equipped with sintered bronze filters. Larger sizes have monel mesh filter.

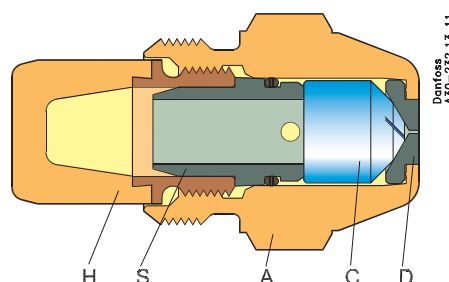
Application and Features

- Light and heavy oil
- CSA certified nozzles from 0.4 to 2.0 USgal/h
- Standard nozzles from 0.30 to 35 USgal/h
- 100% test of capacity and performance

Design

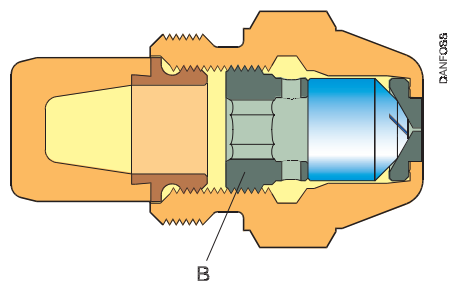
Sizes 0.30-0.60 with O-ring sealing

- A Nozzle housing
- C Nozzle cone
- D Orifice disc
- H Filter
- S O-ring holder

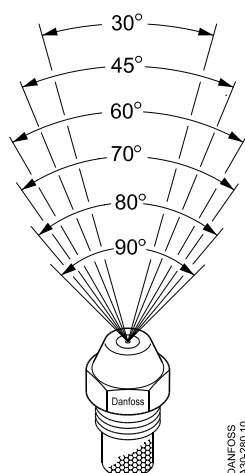


Sizes 0.65-3.00 with bottom screw

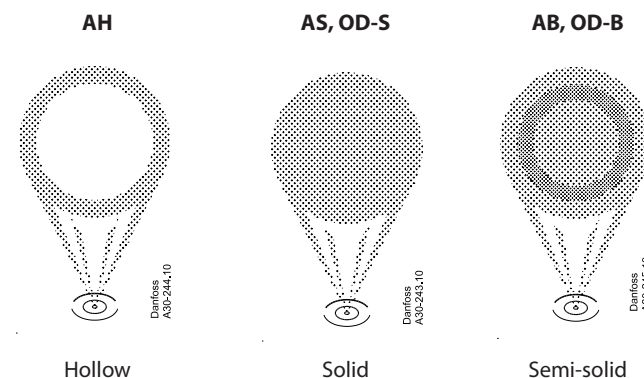
- B Bottom screw



Spray angles

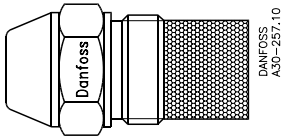


Spray patterns

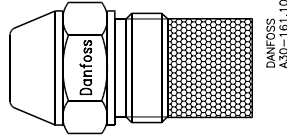


Technical Data

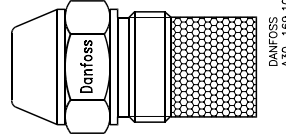
Filters



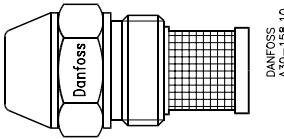
Capacity 0.30-0.35 USgal/h:
30 µm sintered bronze



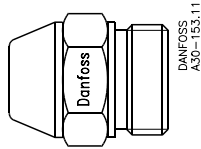
Capacity 0.40-0.85 USgal/h:
45 µm sintered bronze



Capacity 1.00-1.75 USgal/h:
75 µm sintered bronze



Capacity 2.00-11.0 USgal/h:
140 µm monel mesh



Capacity 12.0-35.0 USgal/h:
without filter

Tightening torques

Recommended tightening torque	11 to 15 ft. lbf 15 to 20 Nm
Max. tightening torque	18.5 ft. lbf

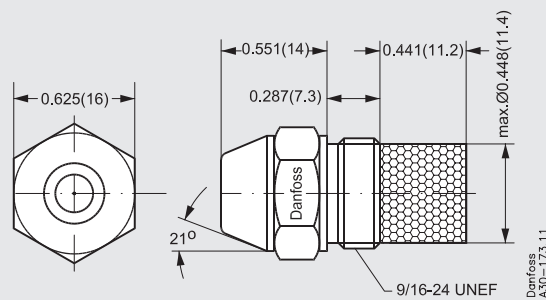
Oil Nozzles Types AH, AS, AB

Capacity USgal/h	Spray angles /patterns				
	45°	60°	70°	80°	90°
0.40		S	S	H	
0.45			S		
0.50	H S	H S	H S B	H S	H S
0.55	H S	H S	H S	H S	H S
0.60	H S	H S B	H S B	H S B	H S
0.65	H S B	H S B	H S B	H S B	H S
0.75	H S B	H S B	H S B	H S B	H S
0.85	H S B	H S B	H S B	H S B	H S
0.90				H S	
1.00	H S B	H S B	H S B	H S B	H S
1.10	H S	H S B	H S B	H S B	H S
1.20	H S	H S B	H S	H S	H S
1.25	H S B	H S B	H S B	H S B	H S
1.35	H S B	H S B	H S B	H S B	H S
1.50	H S B	H S B	H S B	H S B	H S
1.65	H S	H S	H S	H S	H S
1.75	H S	H S	H S	H S	
2.00	H S B	H S B	H S B	H S B	
2.25	H S B	H S B	H S	H S B	
2.50	H S B	H S B	H S	H S B	
2.75	H S B	H S B	H S	H S B	
3.00	B	H S B	H S	H S B	

Oil Nozzles Type OD

Capacity USgal/h	Spray angles /patterns			
	30°	45°	60°	80°
0.30			H S	H S
0.35			H S	H S
3.00	H S B	H S		
3.50	S	S	S	S
3.75	B	S B	B	B
4.00		S	S	S
4.50		S B	S B	S B
5.00		S B	S B	S B
5.50		S B	S B	S B
6.00		S B	S B	S B
6.50		B	B	B
7.00			S	
7.50		B	B	B
8.00			S	
8.50		B	B	B
9.00			S	
10.00		B	B	B
11.00		B	B	B
12.00		B	B	B
13.50		B	B	B
15.00		B	B	B
17.00			B	B
19.50			B	B
22.00		B	B	B
25.00			B	B
28.00			B	B
31.50		B	B	B
35.00		B		

Dimensions



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