

Data sheet

Oil Nozzles Types HR and SR

Application

Oil nozzles types HR and SR are designed for domestic high-pressure oil burners where roundshaped nozzle head are requested. They are available with 3 different spray angles and sizes from 0.3 to 1.00 USgal/h. HR and SR nozzles are equipped with sintered bronze filter and have the same performances as the corresponding sizes of OD-nozzles.

Identification

The EN nozzles 1.46 to 3.72 are marked with these informations.
Other nozzles are without EN marking.

Features:

- Light and heavy oil
- EN nozzles from 1.46 to 3.72 kg/h
- Standard nozzles 0.30 and 0.35 USgal/h
- 100% test of capacity and performance in accordance with EN

Danfoss
A35-219.11

Stamped on the flats:

2.37	EN specified capacity (kg/h)
EN 80° II	Spray angle & Angle index (according to EN 293/EN 299)
EN specification point	1000 kPa (10 bar), 3.4 cSt., 840 kg/m ³ Capacity tolerance: ± 4%
[]	Serial number for internal use
0.60	Reference capacity (USgal/h)
60° SR	Spray angle & pattern (HR = Hollow, SR = Solid)
Reference specification point	700 kPa (7 bar), 3.4 cSt., 820 kg/m ³

Technical data

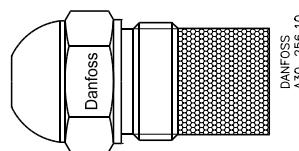
Reference capacity USgal/h	Spray angle / patterns			Specified capacity kg/h
	45°	60°	80°	
0.30			SR*	1.15
0.35			HR* SR*	1.35
0.40	SR	SR	HR SR	1.46
0.45	SR	HR SR	HR SR	1.66
0.50	SR	HR SR	HR SR	1.87
0.55	SR	HR SR	HR SR	2.11
0.60	SR	HR SR	SR	2.37
0.65	SR	HR SR	SR	2.67
0.75	SR	HR SR	HR SR	2.94
0.85	SR	SR		3.31
1.00	SR	SR	HR	3.72

* not EN nozzles

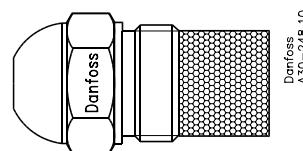
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Oil Nozzles Types HR and SR

Filters



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

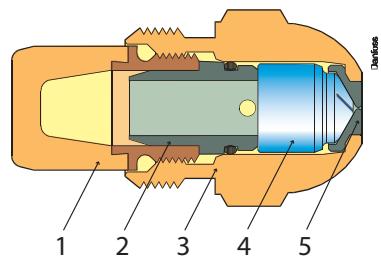


Capacity 0.40 to 1.00 USgal/h:
45 µm sintered bronze

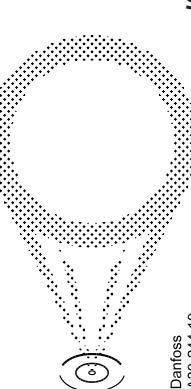
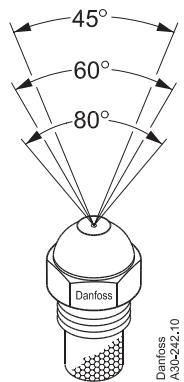
Recommended tightening torque: 15 to 20 Nm (1.5 to 2.0 kpm).
Max. tightening torque: 25 Nm (2.5 kpm).

Design

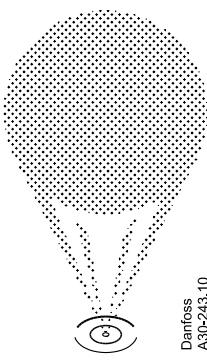
1. Filter
2. O-ring holder
3. Nozzle housing
4. Nozzle Cone
5. Orifice disc



Spray angles

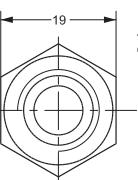
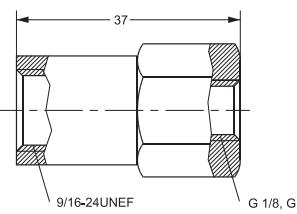
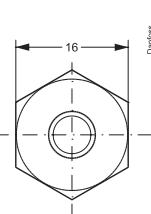
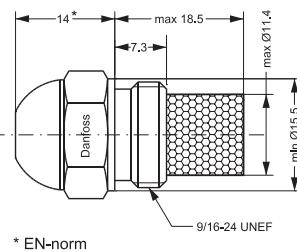


HR (Hollow)



SR (Solid)

Dimensions



Nozzle holder

Additional documentation on burner components is available on <http://heating.danfoss.com/> or <https://store.danfoss.com/>

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