

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.

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

Identification

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



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

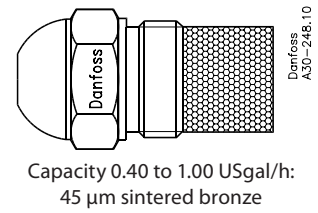
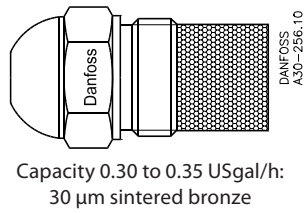
Reference capacity USgal/h	Spray angle / patterns					Specified capacity kg/h
	45°		60°		80°	
0.30					SR*	1.15
0.35					HR* SR*	1.35
0.40	SR	SR		HR	SR	1.46
0.45	SR	HR	SR	HR	SR	1.66
0.50	SR	HR	SR	HR	SR	1.87
0.55	SR	HR	SR	HR	SR	2.11
0.60	SR	HR	SR	SR		2.37
0.65	SR	HR	SR	SR		2.67
0.75	SR	HR	SR	HR	SR	2.94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

* not EN nozzles

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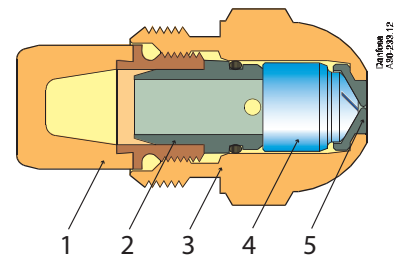
Filters



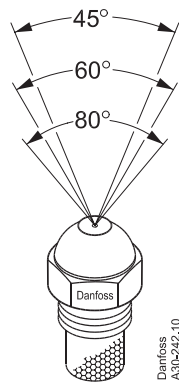
Recommended tightening torque: 15 to 20 Nm (1.5 to 2.0 kpm).
Max. tightening torque: 25 Nm (2.5 kpm).

Design

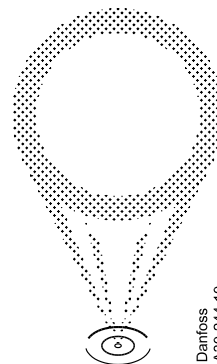
1. Filter
2. O-ring holder
3. Nozzle housing
4. Nozzle Cone
5. Orifice disc



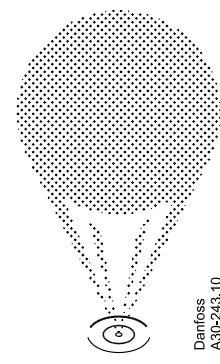
Spray angles



Spray patterns

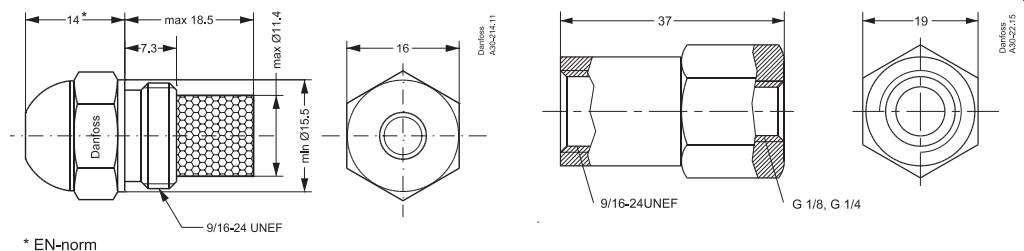


HR (Hollow)



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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