

## 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:

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

## Technical data

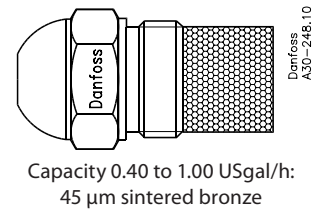
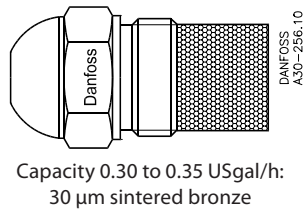
Reference capacity USgal/h	Spray angle / patterns				Specified capacity kg/h
	45°	60°	80°		
0.30				SR*	1.15
0.35				HR* SR*	1.35
0.40	SR	SR	HR	SR	1.46
0.45	SR	HR SR	HR	SR	1.66
0.50	SR	HR SR	HR	SR	1.87
0.55	SR	HR SR	HR	SR	2.11
0.60	SR	HR SR		SR	2.37
0.65	SR	HR SR		SR	2.67
0.75	SR	HR SR	HR	SR	2.94
0.85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

\* not EN nozzles

## Data sheet

## Oil Nozzles Types HR and SR

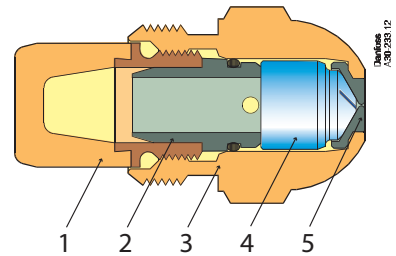
### Filters



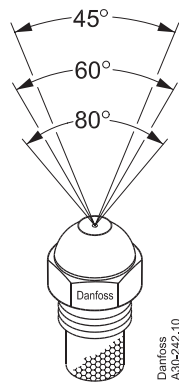
Recommended tightening torque: 15 to 20 Nm (1.5 to 2.0 kpm).  
Max. tightening torque: 25 Nm (2.5 kpm).

### Design

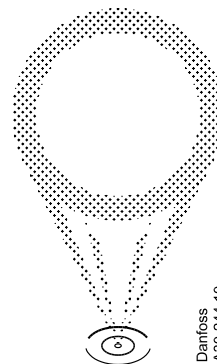
1. Filter
2. O-ring holder
3. Nozzle housing
4. Nozzle Cone
5. Orifice disc



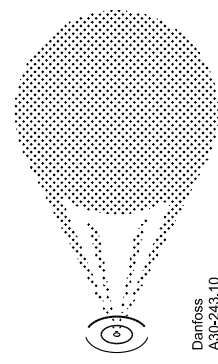
### Spray angles



### Spray patterns

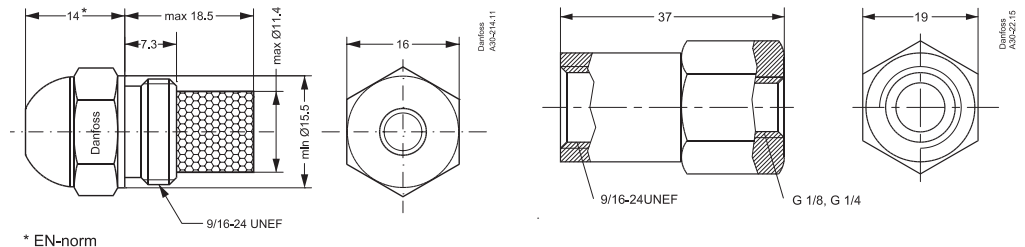


HR (Hollow)



SR (Solid)

### Dimensions



Nozzle holder

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

### Danfoss A/S

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