Data sheet



Oil Nozzles

HR/SR

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Description

Oil nozzles types HR and SR are designed for domestic high-pressure oil burners where round-shaped 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 & Benefits

- 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

Applications

- Designed for domestic high-pressure oil burners where round-shaped nozzle heads are requested.

Ordering

Product code numbers

Product group	Type	Spray angle [°]	Capacity [USgal/h]	Code number
Oil Nozzles	SR	45	0.65	030F5864
Oil Nozzles	SR	45	0.75	030F5866
Oil Nozzles	SR	45	0.40	030F5904
Oil Nozzles	SR	45	0.45	030F5906
Oil Nozzles	SR	45	0.50	030F5908
Oil Nozzles	SR	45	0.55	030F5910
Oil Nozzles	SR	45	0.60	030F5912
Oil Nozzles	SR	45	0.65	030F5914
Oil Nozzles	SR	45	0.75	030F5916
Oil Nozzles	SR	45	0.85	030F5918
Oil Nozzles	SR	45	1.00	030F5920
Oil Nozzles	SR	60	0.75	030F7816
Oil Nozzles	SR	60	0.50	030F7858
Oil Nozzles	SR	60	0.55	030F7860
Oil Nozzles	SR	60	0.60	030F7862
Oil Nozzles	SR	60	0.65	030F7864
Oil Nozzles	SR	60	0.40	030F7904
Oil Nozzles	SR	60	0.45	030F7906
Oil Nozzles	SR	60	0.50	030F7908
Oil Nozzles	SR	60	0.55	030F7910
Oil Nozzles	SR	60	0.60	030F7912
Oil Nozzles	SR	60	0.65	030F7914
Oil Nozzles	SR	60	0.75	030F7916
Oil Nozzles	SR	60	0.85	030F7918
Oil Nozzles	SR	60	1.00	030F7920
Oil Nozzles	SR	80	0.30	030F9852
Oil Nozzles	SR	80	0.40	030F9854
Oil Nozzles	SR	80	0.30	030F9902
Oil Nozzles	SR	80	0.35	030F9903
Oil Nozzles	SR	80	0.40	030F9904
Oil Nozzles	SR	80	0.45	030F9906
Oil Nozzles	SR	80	0.50	030F9908
Oil Nozzles	SR	80	0.55	030F9910
Oil Nozzles	SR	80	0.60	030F9912
Oil Nozzles	SR	80	0.65	030F9914
Oil Nozzles	SR	80	0.75	030F9916
Oil Nozzles	SR	80	0.17	030F9987
Oil Nozzles	HR	80	0.42	030H0855
Oil Nozzles	HR	80	0.42	030H0905
Oil Nozzles	HR	45	0.40	030H5904
Oil Nozzles	HR	45	0.50	030H5908
Oil Nozzles	HR	60	0.45	030H7856
Oil Nozzles	HR	60	0.55	030H7860
Oil Nozzles	HR	60	0.40	030H7904

Oil Nozzles	HR	60	0.45	030H7906
Oil Nozzles	HR	60	0.50	030H7908
Oil Nozzles	HR	60	0.55	030H7910
Oil Nozzles	HR	60	0.60	030H7912
Oil Nozzles	HR	60	0.65	030H7914
Oil Nozzles	HR	60	0.75	030H7916
Oil Nozzles	HR	60	1.00	030H7920
Oil Nozzles	HR	60	1.35	030H7926
Oil Nozzles	HR	80	0.35	030H9853
Oil Nozzles	HR	80	0.40	030H9854
Oil Nozzles	HR	80	0.42	030H9855
Oil Nozzles	HR	80	0.45	030H9856
Oil Nozzles	HR	80	0.65	030H9864
Oil Nozzles	HR	80	0.85	030H9868
Oil Nozzles	HR	80	0.35	030H9903
Oil Nozzles	HR	80	0.40	030H9904
Oil Nozzles	HR	80	0.42	030H9905
Oil Nozzles	HR	80	0.45	030H9906
Oil Nozzles	HR	80	0.50	030H9908
Oil Nozzles	HR	80	0.55	030H9910
Oil Nozzles	HR	80	0.65	030H9914
Oil Nozzles	HR	80	0.75	030H9916
Oil Nozzles	HR	80	0.85	030H9918
Oil Nozzles	HR	80	1.00	030H9920

Identification

The EN nozzles 1.46 to 3.72 are marked with this information. Other nozzles are without EN marking.



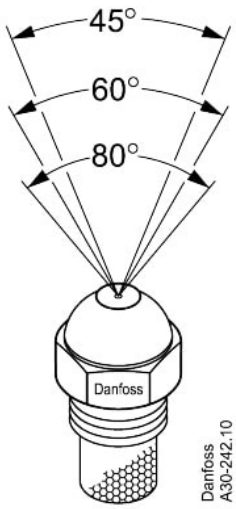
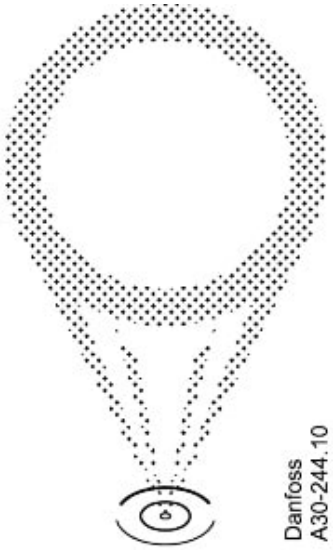
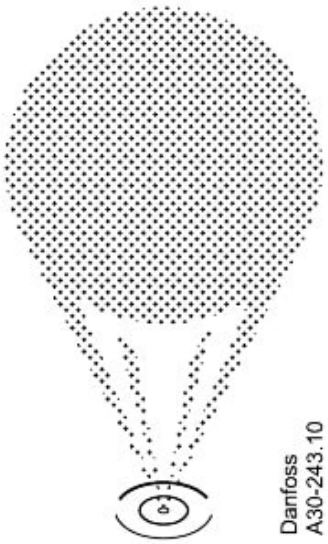
Stamped on the flats:

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

Functions

Operation

Spray angle and spray pattern

	HR	SR
		
Spray angles	**Hollow**	**Solid**

Product details

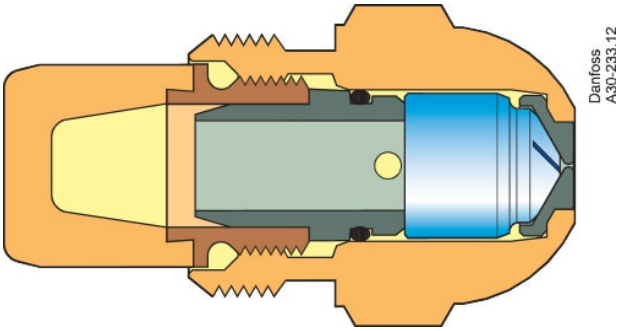
General data

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

Design

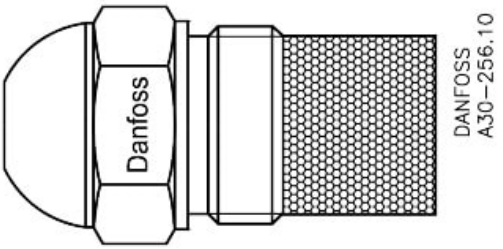
1. Filter
2. O-ring holder
3. Nozzle housing
4. Nozzle cone
5. Orifice disc



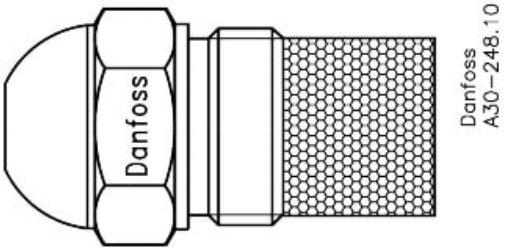
Capacity

Filters

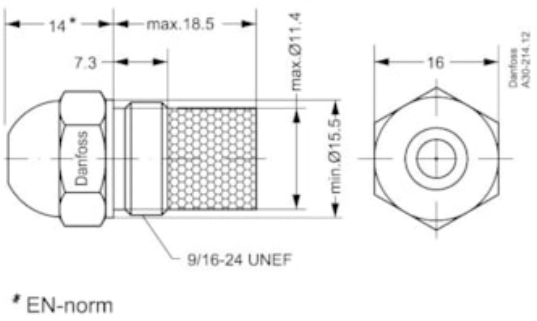
Capacity 0.30 to 0.35 USgal/h: 30 µm sintered bronze



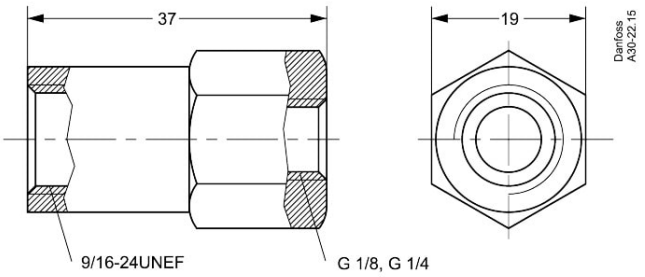
Capacity 0.40 to 1.00 USgal/h: 45 µm sintered bronze



Dimensions & weights



*EN norm



Nozzle holder

Weight	Nozzles type HR and SR	
	Gross weight	0.035 kg
	Net weight	0.033 kg
	Volume	0.025 Liter

Installation

Tightening torques

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

Certificates, declarations and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

When you click on the link you will be directed to the latest version of the 'Declaration of Conformity'. Products developed and sold before this date of issue conform to the directives/standards in force at the time of their sale.

Approval type	Title	Certification body	Approval topic
Manufacturer's Declaration	Danfoss MD 030CEN.01	Danfoss	EU RoHS
Manufacturer's Declaration	Danfoss MD 030BHF.01	Danfoss	EU RoHS
Export Control Declaration	Oil Nozzles	Danfoss	

Contact details

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