



Oil Nozzles

EH/ES

Description

Oil nozzles type EH and ES are designed for domestic high-pressure oil burners operating with kerosene. They are available with 2 different spray angles and sizes from 0.4 to 2.00 USgal/h. The nozzles are equipped with sintered bronze filters. Our existing oil nozzles e.g. 60°S and 80°H can directly be replaced by our new 60°ES – 80°EH.

Features & Benefits

- Kerosene
- OFTEC certification (OFS E100)
- 100% test of capacity and performance

Ordering

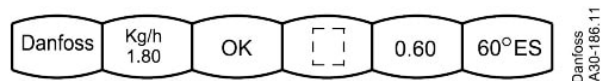
Product code numbers

Product group	Type	Spray angle [°]	Capacity [USgal/h]	Code number
Oil Nozzles	ES	60	0.40	030F6304
Oil Nozzles	EH	80	0.40	030H8304
Oil Nozzles	EH	80	0.40	030H8374
Oil Nozzles	ES	80	0.40	030F8304
Oil Nozzles	ES	80	0.45	030F8306
Oil Nozzles	ES	60	0.45	030F6306
Oil Nozzles	EH	60	0.45	030H6306
Oil Nozzles	EH	80	0.45	030H8306
Oil Nozzles	EH	60	0.50	030H6308
Oil Nozzles	EH	80	0.50	030H8378
Oil Nozzles	ES	80	0.50	030F8378
Oil Nozzles	ES	60	0.50	030F6308
Oil Nozzles	EH	80	0.50	030H8308
Oil Nozzles	ES	80	0.50	030F8308
Oil Nozzles	EH	80	0.55	030H8310
Oil Nozzles	EH	80	0.55	030H8380
Oil Nozzles	EH	60	0.55	030H6310
Oil Nozzles	ES	60	0.55	030F6310
Oil Nozzles	ES	80	0.55	030F8310
Oil Nozzles	ES	60	0.60	030F6312
Oil Nozzles	EH	80	0.60	030H8382
Oil Nozzles	EH	60	0.60	030H6382
Oil Nozzles	EH	80	0.60	030H8312
Oil Nozzles	ES	60	0.60	030F6382
Oil Nozzles	ES	80	0.60	030F8312
Oil Nozzles	EH	60	0.65	030H6314
Oil Nozzles	EH	80	0.65	030H8314
Oil Nozzles	ES	80	0.65	030F8384
Oil Nozzles	ES	60	0.65	030F6314
Oil Nozzles	ES	80	0.65	030F8314
Oil Nozzles	EH	80	0.65	030H8384
Oil Nozzles	ES	80	0.75	030F8316
Oil Nozzles	ES	60	0.75	030F6316
Oil Nozzles	EH	60	0.85	030H6318

Oil Nozzles	ES	80	0.85	030F8388
Oil Nozzles	ES	60	0.85	030F6388
Oil Nozzles	ES	60	0.85	030F6318
Oil Nozzles	EH	80	0.85	030H8318
Oil Nozzles	ES	80	0.85	030F8318
Oil Nozzles	ES	80	1.00	030F8320
Oil Nozzles	EH	60	1.00	030H6320
Oil Nozzles	EH	80	1.00	030H8320
Oil Nozzles	ES	60	1.00	030F6320
Oil Nozzles	EH	60	1.10	030H6322
Oil Nozzles	EH	80	1.10	030H8322
Oil Nozzles	ES	60	1.10	030F6322

Identification

The nozzle is marked with the following information:



OFTEC-specification 1.80	Specified capacity (kg/h)
OFTEC specification point	800 kPa (8 bar), 1.65 cSt., 790 kg/m ³ Capacity tolerance: ± 5%
OK	OFTEC Kerosene certification
	Serial number for internal use
0.60	Reference capacity (USgal/h)
Reference specification point	700 kPa (7 bar), 3.4 cSt., 820 kg/m ³
60° S	Spray angle & pattern (EH = Hollow, ES = Solid)

Spare parts code numbers

If your product code is not listed as a related product for any accessories, please reach out to us for assistance.



030-0072

SINTERED FILTER 45UM (50 PCS PACK)

SINTERED FILTER 45UM (50 PCS PACK)

Related products

030B8560

030F6314

030F6316

030F6318

030F6388

030F8314

030F8316

030F8318

030F8384

030F8386

030F8388

030H6314

030H6318

030H6386

030H8314

030H8318

030H8384

030H8388



030-0073

SINTERED FILTER 75 μM (50 PCS PACK)

SINTERED FILTER 75 μM (50 PCS PACK)

Related products

030F6320

030F6322

030F6323

030F6324

030F6326

030F6328

030F6329

030F6330

030F6332

030F8320

030F8323

030F8324

030F8326

030F8329

030F8330

030H6320

030H6322

030H6323

030H6326

030H6328

030H6329

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030H8322

030H8323

030H8324

030H8326

030H8328

030H8329

030H8330

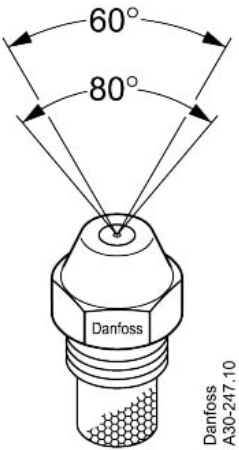
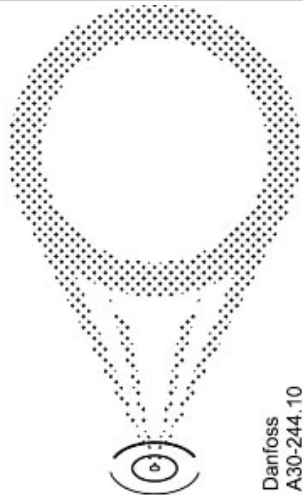
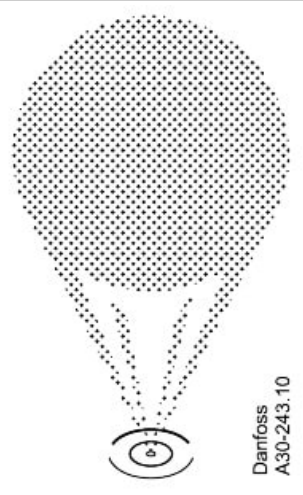
If your product code is not listed as a related product for any accessories, please reach out to us for assistance.



Functions

Operation

Spray angle and spray pattern

	EH	ES
		
Spray angles	Hollow	Solid

Product details

General data

Oil Nozzles Types EH and ES

Reference capacity [Usgal/h]	Spray angles/patterns				Specified capacity [kg/h]
	60°		80°		
0.40	EH	ES	EH	ES	1.20
0.45	EH	ES	EH	ES	1.35
0.50	EH	ES	EH	ES	1.50
0.55	EH	ES	EH	ES	1.65
0.60	EH	ES	EH	ES	1.80
0.65	EH	ES	EH	ES	1.95
0.75	EH	ES	EH	ES	2.25
0.85	EH	ES	EH	ES	2.55
1.00	EH	ES	EH	ES	3.00
1.10	EH	ES	EH	ES	3.30
1.20	EH	ES	EH	ES	3.60
1.25	EH	ES	EH	ES	3.75
1.35	EH	ES	EH	ES	4.00
1.50	EH	ES	EH	ES	4.50
1.65	EH	ES	EH	ES	5.00
1.75	EH	ES	EH	ES	5.25
2.00	EH	ES	EH	ES	6.30

Design

Sizes 0.40-0.60 USgal/h with O-ring sealing

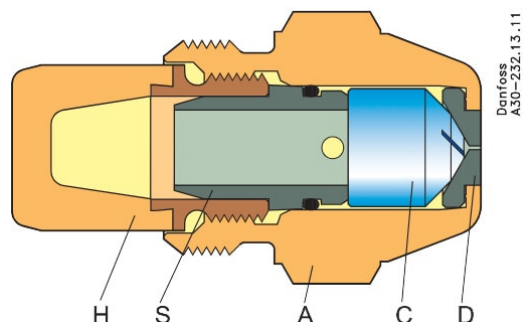
A Nozzle housing

C Nozzle cone

D Orifice disc

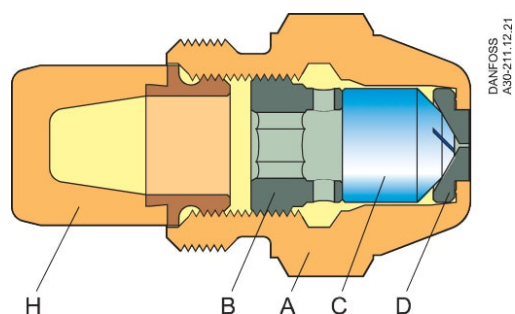
H Filter

S O-ring holder



Sizes 0.65-2.00 USgal/h with bottom screw

B Bottom screw

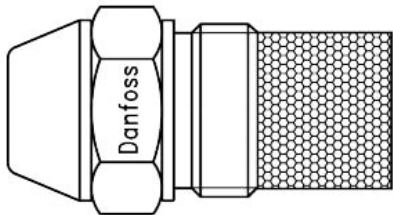
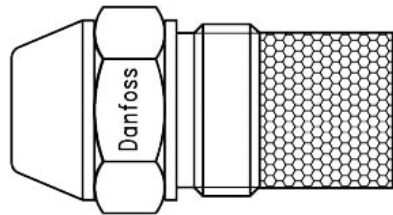


Developed – designed – tested for kerosene application
The kerosene nozzle series meets the requirements of the
OFTEC kerosene nozzle standard OFS E100



Capacity

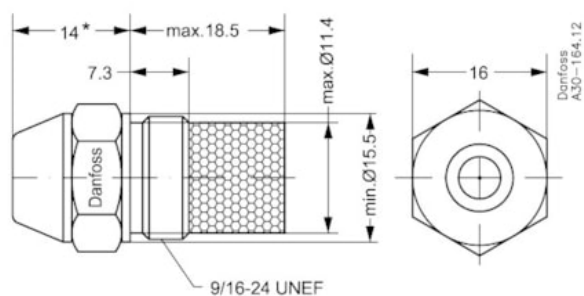
Filters

Capacity 0.40-0.85 USgal/h: 45 µm sintered bronze	 DANFOSS A30-161.10
Capacity 1.00-2.00 USgal/h: 75 µm sintered bronze	 DANFOSS A30-169.10

Dimensions & weights

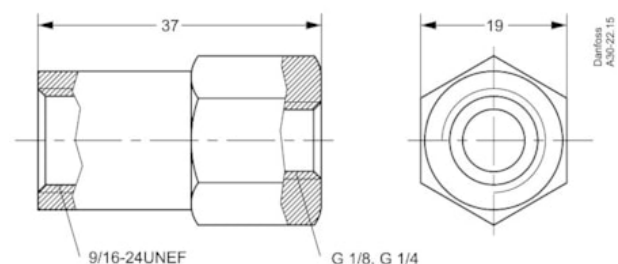
Weight	Nozzles type EH and ES	
	Gross weight	0.035 kg
	Net weight	0.034 kg
	Volume	0.023 Liter

*EN standard



*EN standard

Nozzle holder



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 030EHES.01	Danfoss	EU RoHS
Export Control Declaration	Oil Nozzles	Danfoss	

Contact details

Online support

Danfoss offers a wide range of support along with our products, including digital information, software, mobile apps and expert guidance. See the possibilities below.



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