

General data sheet

# Oil Nozzles Types EH and ES

For specific information on this product, please contact Danfoss Burner Components

**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<sup>3</sup>  
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<sup>3</sup>

60° ES Spray angle & pattern (EH = Hollow) (ES = Solid)

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 1.10 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.

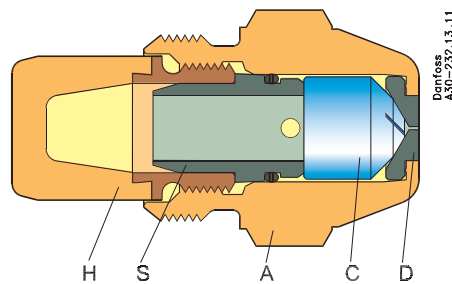
**Application and Features**

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

**Design**

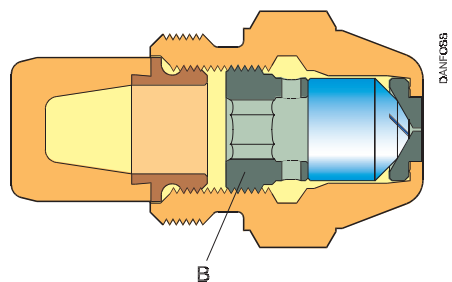
Sizes 0.40-0.60 USgal/h with O-ring sealing

- A Nozzle housing
- C Nozzle cone
- D Orifice disc
- H Filter
- S O-ring holder



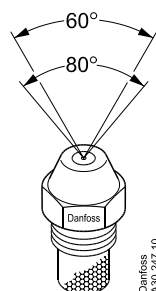
Sizes 0.65-1.10 USgal/h with bottom screw

- B Bottom screw

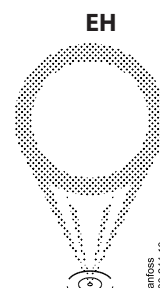


The kerosene nozzle series meets the requirements of the OFTEC kerosene nozzle standard OFS E100

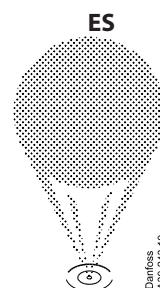
**Spray angles**



**Spray patterns**



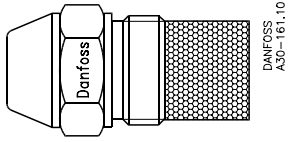
Hollow



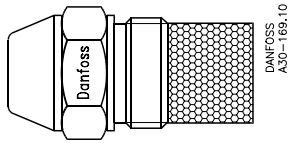
Solid

Technical Data

Filters



Capacity 0.40-0.85 USgal/h:  
45 µm sintered bronze



Capacity 1.00-1.10 USgal/h:  
75 µm sintered bronze

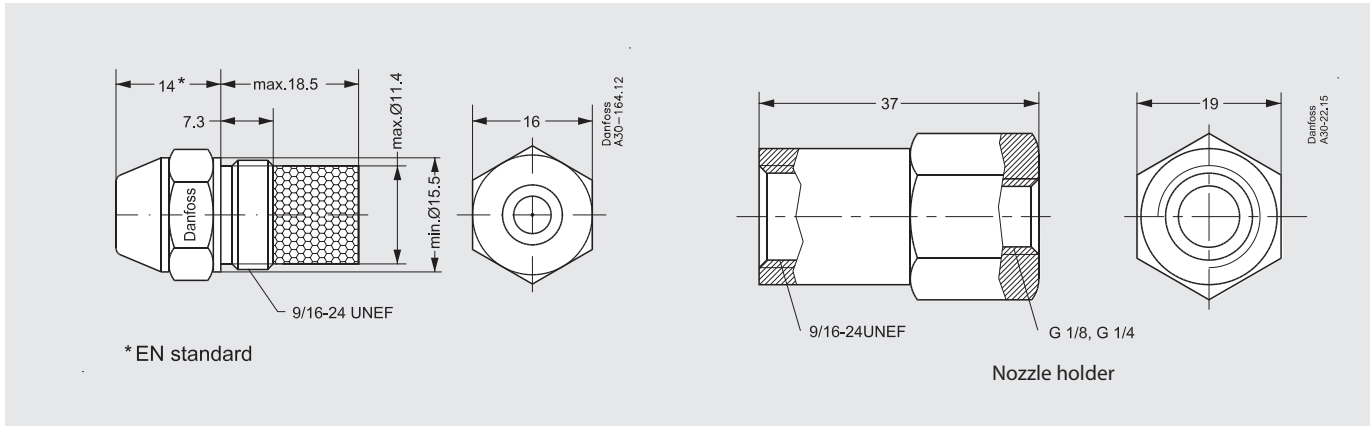
Oil Nozzles Types EH and ES

Reference capacity USgal/h	Spray angles/patterns				Specified capacity kg/h
	60°		80°		
0.40		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

Tightening torques

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

Dimensions



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

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