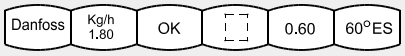
Oil Nozzles
Types EH and ES

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

Identification
The nozzle is marked with the following information:



OFTEC-specification *:

1.80	Capacity in (kg/h)
OK	OFTEC Kerosene certification
⬚	Serial number for internal use

Reference specification **:

0.60	Capacity (USgal/h)
60° ES	Spray angle & pattern (EH = Hollow) (ES = Solid)

*) OFTEC specification point:
800 kPa (8 bar), 1.65 cSt., 790 kg/m3
Capacity tolerance: ± 5%

**)Reference specification point:
700 kPa (7 bar), 3.4 cSt., 820 kg/m3
Spray angle tolerance: ± 5º

Developed – designed – tested for kerosene application

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

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.

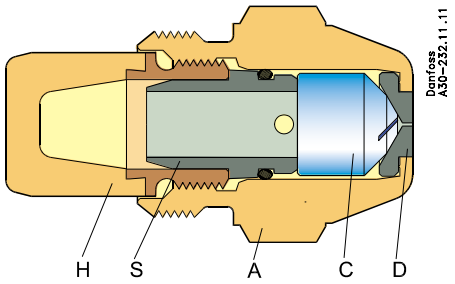
Our existing oil nozzles e.g. 60°S and 80°H can directly be replaced by our new 60°ES – 80°EH.

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

Design

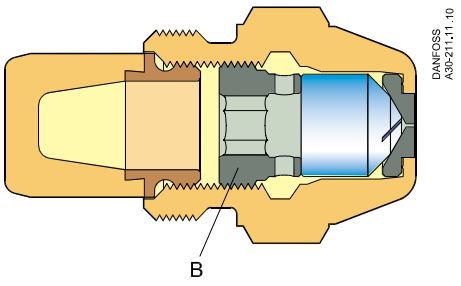
Sizes 0.40-0.60 USgal/h with O-ring sealing

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

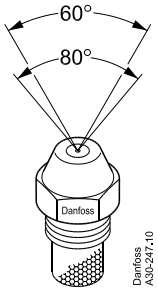


Sizes 0.65-1.10 USgal/h with bottom screw

B Bottom screw

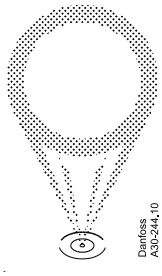


Spray angles



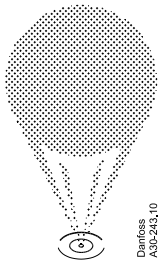
Spray patterns

EH



Hollow

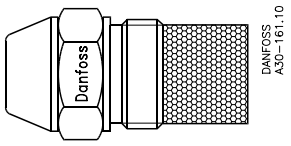
ES



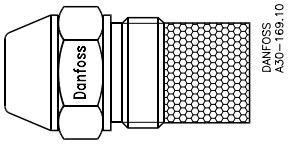
Solid

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

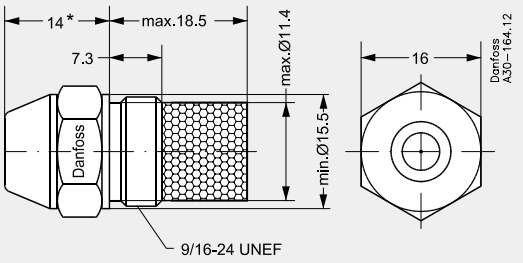
Tightening torques

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

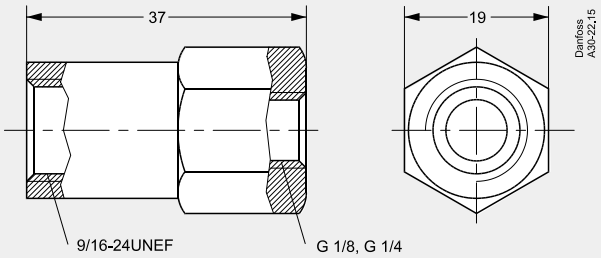
Oil Nozzles Types EH and ES

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

Dimensions



*EN standard



Nozzle holder

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary in specifications already agreed.
All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Produced by Danfoss G1 advertising agency 03.09 Bi.RO