

Data sheet

Oil Nozzles Type HVO

Application



Oil nozzles type HVO are designed for domestic oil burners operating with HVO biofuels or blends hereof. As to the construction and atomizing, the HVO nozzle is based on the same design as all types of Danfoss brass nozzles.

Features:

- HVO biofuels or blends hereof
- 100% capacity and performance tested
- kW/h marking

Identification

The HVO nozzles are marked with this information:

Danfoss		HVO	kg/hr 1.26	kW/h(g) 16.4	60°S
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30-369.10

Stamped on the flats:

	Batch number for internal use
HVO	Conformity mark
1.26	Nominal throughput in kg/h @ 10 bar (according to HVO)
16.4	Nominal gross "(g)" Calorific Value (CV) burner throughput in kW/h @ 10 bar
60°S	Spray angle and pattern (S = Solid, H = Hollow)

Filters

<p>DANFOSS A.30-169.10</p>	<p>DANFOSS A.30-169.10</p>
Capacity 0.40 to 0.85 USgal/h: 45 µm sintered bronze	Capacity 1.00 to 1.75 USgal/h: 75 µm sintered bronze

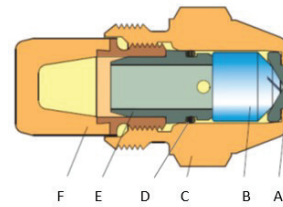
Technical data

Capacity kg/h	Spray angle				Capacity kW/h
	60°S	80°S	60°H	80°H	
1.26	030B0604	-	-	-	16.4
1.99	030B0607	-	-	-	25.9
2.74	030B0610	-	-	-	35.6

Design

O-ring sealing on sizes 0.60 USgal/h and below

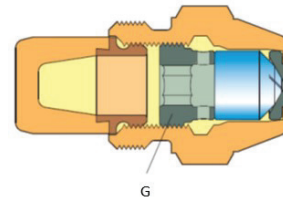
- A. Disc
- B. Cone
- C. Nozzle housing
- D. O-ring
- E. O-ring adapter
- F. Sinter filter



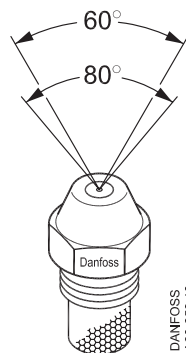
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Bottom screw on sizes 0.65 USgal/h and above

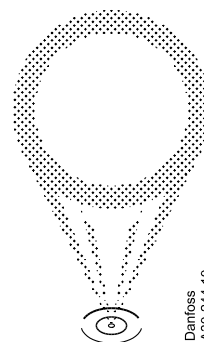
- G. Bottom screw



Spray angles and patterns

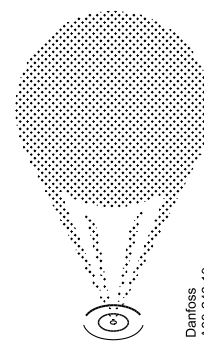


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H (Hollow)

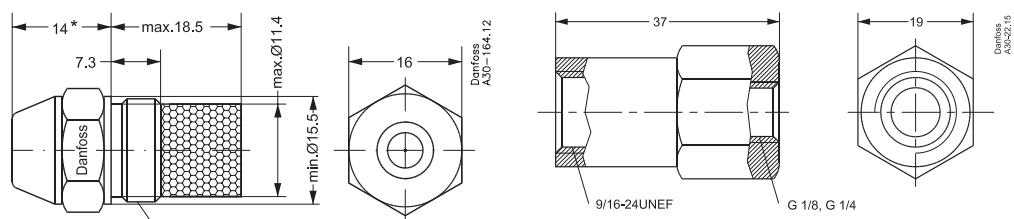
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S (Solid)

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A30-243.10

Dimensions



*EN standard

Nozzle holder

Calorific Values (CV)

Net CV HVO Nozzle Outputs kW/h			
Pressure (bar)	Nozzle capacity @ 10 bar		
	1.26 kg/h	1.99 kg/h	2.74 kg/h
5	12.2	17.7	24.0
6	13.0	19.2	26.2
7	13.7	20.5	28.1
8	14.3	21.9	30.1
9	14.9	23.1	31.8
10	15.4	24.3	33.5
11	15.9	25.4	35.1
12	16.5	26.4	36.4
13	16.9	27.4	37.9
14	17.4	28.5	39.2
15	17.8	29.2	40.6
16	18.2	30.2	41.7
17	18.6	31.0	43.0
18	19.1	31.8	44.1

Gross CV HVO Nozzle Outputs kW/h			
Pressure (bar)	Nozzle capacity @ 10 bar		
	1.26 kg/h	1.99 kg/h	2.74 kg/h
5	13.0	18.9	25.5
6	13.8	20.4	27.8
7	14.6	21.9	29.9
8	15.2	23.3	32.0
9	15.9	24.6	33.8
10	16.4	25.9	35.6
11	16.9	27.1	37.3
12	17.6	28.1	38.8
13	18.0	29.1	40.3
14	18.5	30.3	41.8
15	19.0	31.1	43.2
16	19.4	32.1	44.4
17	19.8	33.0	45.8
18	20.3	33.8	47.0



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

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