Oil nozzles type LE are special versions of standard nozzles type OD with built-in cut-off valve. In combination with an oil pump with LE-function (e.g. BFP 21 LE) the LE nozzle prevents drop formation when preheating and from oil expansion in the nozzle line at burner stop. Alternatively the LE-function can be obtained by using a preheater with incorporated LE-valve (FPHB-LE) in combination with an OD-nozzle.

LE nozzles are available with 3 spray angles, 2 spray patterns and capacities from 0.40 to 2.0 Usgal/h. The nozzles are equipped with sintered bronze filter.

**Application and Features**
- Light oil
- Low Emission
- 100% test of capacity and performance

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### Identification

The nozzle is marked with the following information:

- **2.37** Specified capacity (kg/h)
- **1160 kPa (11.6 bar), point** 3.4 cSt., 840 kg/m³
- **Capacity tolerance:** ± 6%
- **LE Type (Low Emission)**
- **Serial number for internal use**
- **0.60** Reference capacity (USgal/h)
- **Reference specification point** 860 kPa (8.6 bar), 3.4 cSt., 820 kg/m³
- **60° S** Spray angle & pattern
  - (S = Solid)
  - (H = Hollow)

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### Design

- **A Nozzle housing**
- **C Nozzle cone**
- **D Orifice disc**
- **E LE-valve**
- **H Filter**

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### Spray angles

- 45°
- 80°
- 80°

### Spray patterns

- **H Hollow**
- **S Solid**
Technical Data

Filters

Capacity 0.40-2.0 USgal/h:
30 μm sintered bronze

Note! The LE-function must be protected by an effective pre-filter (max. 40 μm)

Tightening torques

| Reference tightening torque | 15 to 20 Nm
| Max. tightening torque | (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/