



Fuel oil de-aerators FloCo-Top-2CM Optimum MC-18

Part no. 70158

automatic fuel oil de-aerator

benefits

- Backflow preventer with integrated pressure relief towards the tank
- Drain system and drain valve for fast and clean filter change
- pressure gauge as service indicator (system pressure / filter change)
- Proofed Barrier (odour-tight)
- materials resistant to biofuel and biodiesel mixtures with max. 30 % FA-ME
- green fuels ready: suitable for use at tank facilities filled with the new paraffinic fuels HVO or GTL
- watertight up to 10 m water column - ideal for use in flood hazard areas

Application

For single-line systems with return line in oil-fired systems for continuous de-aeration. Suitable for fuel oil EL (DIN 51603-1), diesel fuel (EN 590), liquid fuels as per DIN SPEC 51603-6 and DIN/TS 51603-8 as well as biofuel and biodiesel with a maximum of 30 % FAME (EN 14214). This product is therefore ideal for all ecologically upgraded fuel oil consuming systems that use the new paraffinic fuels HVO or GTL as an admixture or 100 %. Also for use in flood hazard areas and flood risk areas.

Description

Automatic fuel oil de-aerator, safety version, with integrated filter, lateral dual shut-off valve (can be operated from both sides) and vacuum gauge. Housing made of high-strength plastic with backflow preventer and integrated pressure relief towards the tank. Compact de-aerator hood made of transparent plastic with dual float safety system to keep oil foam from escaping via the de-aerator opening. The vent hose is connected at the side in an unobtrusive way. Accessories such as the angular connection pieces provide even more flexibility, e.g. a directly connection to the tank or the burner from above. For venting, the oil is guided via the float chamber and can then be added directly to the flow. In service mode, the vacuum gauge indicates the pump vacuum. The shut-off valve can be closed to check the suction capacity of the burner pump. Increased vacuum provides information on the degree of pollution of the filter. The drain system and the drain valve ensure that replacing the filter and burner hoses is easy and clean: Connect the hose, open the drain valve and drain the oil in a controlled way. Watertight up to 10 m water column.

Technical Specifications

connection burner end

G $\frac{3}{8}$ male with 60° cone for burner hoses

Connection tank

G $\frac{3}{8}$ female

Nozzle capacity

max. 100 l/h

Return flow

max. 120 l/h

Separating capacity air/gas

> 4 l/h

Mounting position

Float housing vertical to the top

Operating temperature range

Medium: max. 60 °C

Ambient: max. 60 °C

Operating overpressure

max. 0.7 bar

(corresponds to static oil column of approx. 8 m)

Test pressure

6 bar

Vacuum gauge

Range: -0.7/+0.9 bar

Dimensions (W x H x D)

long cup

185 x 341 x 109 mm

Versions

	Filter	Filter surface		Part no.
Fuel oil de-aerators FloCo-Top-2CM Optimum MC-18	Opticlean MC-18 long, 5–20 µm	1850 cm ²	●	70158

● in-stock items

● Non-stock items

Material

Housing: Plastic

De-aerator hood: transparent plastic

Filter cup: transparent plastic

Test

TÜV-tested (S 556 2021 S1)

approval

Conformity certificate (ÜHP) as per EN 12514

Scope of delivery

- Fuel oil de-aerators
- universal screw connections for pipes ø 6/8/10 mm
- Bracket with mounting material
- Cover for connection of the vent hose
- drain hose