

Automatic fuel oil de-aerator Flow-Control 3/K HT



Benefits

- High temperature version: Up to a temperature of the medium of 80 °C
- Dual float safety system keeps oil foam from escaping
- Increased fuel oil filter service life - the amount of oil drawn from the tank corresponds exactly to the oil actually burnt
- No unnoticed leakage in the return line
- Materials resistant to biofuel and biodiesel with max. 100 % FAME
- PROOFED BARRIER if installed with vent hose
- 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 up to 100 % 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.

Flow Control 3/K HT is recommended for mounting below the max. fuel level in the tank and for any application requiring particular safety.

Versions

	Part no.
Fuel oil de-aerators Flow-Control 3/K HT	69929

Blue part no. = in-stock items

Description

Automatic fuel oil de-aerator consisting of a diecast zinc housing with female G $\frac{1}{4}$ connection thread at the tank end and male G $\frac{3}{8}$ connection threads with 60° cone at the burner end for connection of the burner hoses. An oil hose with ball-shaped sealing for 60° cone and a G $\frac{3}{8}$ union nut is supplied for connection to the fuel oil filter. The de-aerator hood consists of glass-fibre reinforced plastic (not transparent), all seals are made of FKM. Flow-Control 3/K HT features 2 separate float chambers. The lower float chamber contains the operating float; the upper float chamber contains the safety float. The upper float chamber keeps oil foam from escaping via the vent opening (e.g. during commissioning/filter exchange) and also indicates malfunctions of the vent valve. The risk of a leak in the return line going unnoticed is removed with the single-line system. It is no longer necessary to regularly check the return line for leaks. Also suitable for pressure mode up to 0.7 bar. 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 $\frac{1}{4}$ female or oil hose G $\frac{1}{4}$ male x G $\frac{3}{8}$ union nut for connection to filter

Nozzle capacity

Max. 100 l/h

Return flow

Max. 120 l/h

Separating capacity air/gas

Approx. 4 l/h

Mounting position

Float housing vertical to the top

Seals

FKM

Operating temperature range

Medium: Max. 80 °C

Ambient: Max. 60 °C

Operating overpressure

Max. 0.7 bar

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

Test pressure

6 bar

Dimensions (W x H x D)

95 x 147 x 95 mm

Material

Housing: Zinc die cast

De-aerator hood: Plastic, glass-fibre reinforced

Test

TÜV-tested (S 556 2021 S1)

Approval

Conformity certificate (ÜHP) as per EN 12514