



automatic fuel oil de-aerator

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.

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 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

ca. 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

Versions

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

Part no.

Fuel oil de-aerators Flow-Control 3/K HT	☒	69929
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- ☒ in-stock items
- ☐ Non-stock items