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

Benefits

- Trouble-free operation due to automatic de-aeration
- 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
- The suction line can usually have a smaller cross section
- PROOFED BARRIER if installed with vent hose
- Materials resistant to biofuel and biodiesel mixtures with max. 30 % FAME
- Green fuels ready: suitable for use at tank facilities filed 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.
The risk of a leak in the return line going unnoticed is removed with Flow-Control. It is no longer necessary to regularly check the return line for leaks.

Versions

	Part no.
Fuel oil de-aerators Flow-Control 3/K	69930
Fuel oil de-aerators Flow-Control 3/K G¼	69978

Blue part no. = in-stock items

Description

Automatic fuel oil de-aerator consisting of a diecast zinc housing with female G¼ connection thread at the tank end and male G⅜ connection threads with 60° cone at the burner end for connection of the burner hoses. Plastic or metal de-aerator hood. Flow-Control 3/K features two 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 indicates malfunctions of the vent valve. An oil hose with ball-shaped sealing for 60° cone and a G⅜ union nut is supplied for connection to the fuel oil filter. Watertight up to 10 m water column. All Flow-Control versions are TÜV-tested.
Flow-Control 3/K (G¼) with connections G¼ female thread at burner end instead of G⅜ male thread.

Technical specifications

Connection burner end
Part no. 69930: G⅜ male with 60° cone for burner hoses
Part no. 69978: G¼ female

Connection tank
G¼ female

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

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

Dimensions (W x H x D)
95 x 147 x 95 mm

Material
Housing: Zinc die cast
De-aerator hood: Plastic

Test
TÜV-tested (S 556 2021 S1)

Approval
Conformity certificate (ÜHP) as per EN 12514