

## 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
- Materials resistant to biofuel and biodiesel mixtures with max. 20 % 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 consuming systems for continuous de-aeration. Suitable for the following media: fuel oil EL (DIN 51603-1) and diesel fuel (EN 590) as well as biofuel and biodiesel with max. 20 % FAME. Also for use in flood hazard 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 G $\frac{1}{4}$	69978

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. 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 G $\frac{3}{8}$  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 (G $\frac{1}{4}$ )** with G $\frac{1}{4}$  female thread instead of G $\frac{3}{8}$  male thread.



## Technical specifications

### Connection burner end

G $\frac{3}{8}$  male with 60° cone for burner hoses  
G $\frac{1}{4}$  female

### Connection tank

G $\frac{1}{4}$  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 133 2013 E2)

### Approval for construction products

Conformity certificate (ÜHP) as per EN 12514-2