



Condensate drain for large engine

E-STM 100

Application and function

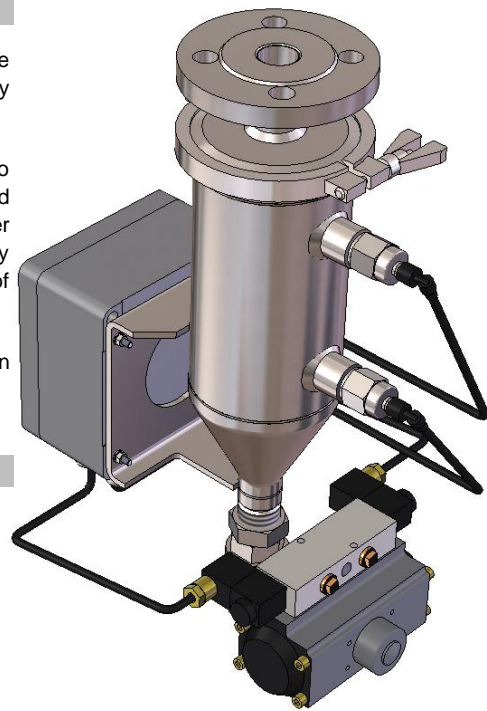
The high-performance condensate trap is used to drain the intake air of large engines, which are primarily used as ship propulsion. Such motors usually produce large amounts of condensate that must be reliably dissipated.

The dissipation of the condensate is regulated discontinuously with the help of two probes. When the upper switching point is reached, a 5/2 Namur solenoid valve opens the ball valve with a double acting pneumatic drive. When the lower switching point is reached, it closes again. The sensor distances can be freely selected depending on the amount of condensate that occurs. The sensitivity of the sensors can also be readjusted during operation.

Due to the design, the condensate trap is largely insensitive to contamination in the supply line. The condensate container is also easy to open and clean.

Basic technical equipment

- Add-on housing in stainless steel (1.4571).
- 2x capacitive measuring probes.
- Ball valve with double acting pneumatic drive by a 5/2 Namur solenoid valve.
- Process connection PN40 DN32.
- Process connection solenoid valve G1".
- Control box made of aluminium; powder coated.



Available (optional) designs

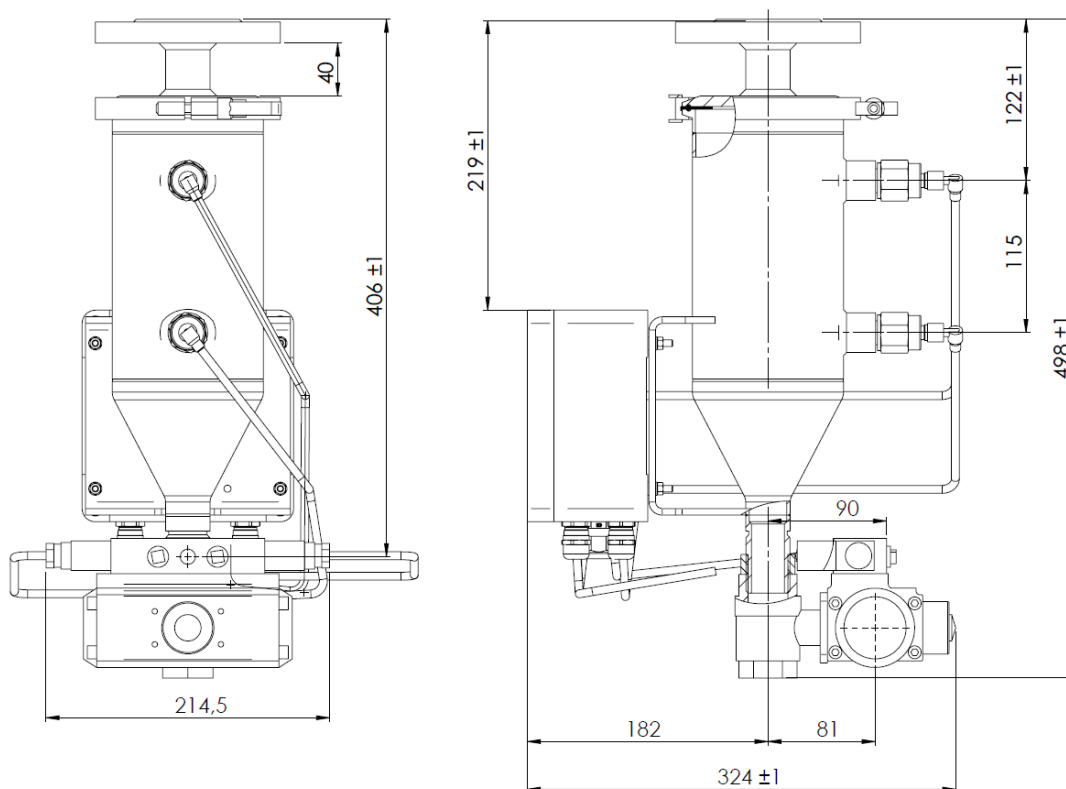
- Right or left model.
- Different process connection variants.
- For use in Ex areas, all components (solenoid valve, ball valve with double acting pneumatic drive, switch box and measuring probes) are available with Ex approval for Zone II with an intrinsically safety circuit.

Technical data

Allowable pressure	PS= 8bar
Medium temperature	-40°C ... +140°C
Rate input voltage	24V DC \pm 10% ED 100%
Output	5,5W
Residual ripple Sensor	\leq 2VSS
Process connection solenoid valve	G1"
Process connection	Flange PN40 DN32
Pneumatic pressure	2-10bar
Ambient temperature	-20°C <T amb. < 70°C
Ex-approvals solenoid valve, measuring probe, switching box	ATEX II 3G Ex ic IIC T6...T1 Gc respectively ATEX II 3D Ex ic IIIC T98°C DC IP68

Article number	Design
15-15859	Standard
15-12362	For the Ex-Operating

Dimensions



Digital Documentation

