SEPPELER
BEHÄLTER
RIETBERG

STORAGE AND COLLECTION CONTAINERS

OVERFILL PROTECTION

If containers are filled in such a way that the filling level cannot be identified (i.e. via a fixed line), it has to be ensured that the container cannot be overfilled.

Overfill protection generally includes the following two components:

- Level sensor permanently mounted in the container with a PTC thermistor changing its electrical resistance on reaching the admissible filling level
- Transducer generating an optical and acoustic signal from this change in resistance and via which the filling process can also be stopped

For type-specific differences, please refer to the following table.

Scope of delivery:
Level sensor, transducer, mounted at ordered Rietberg container

INFO

CONTAINERS

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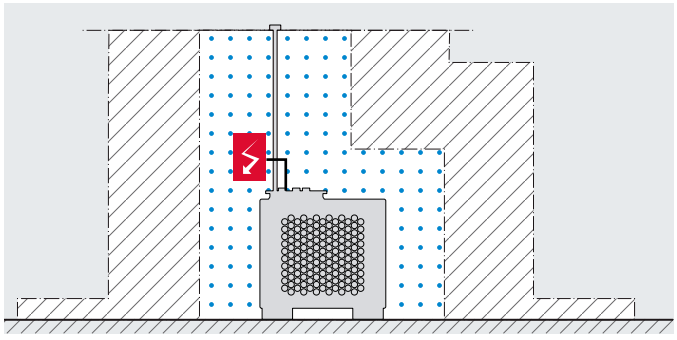
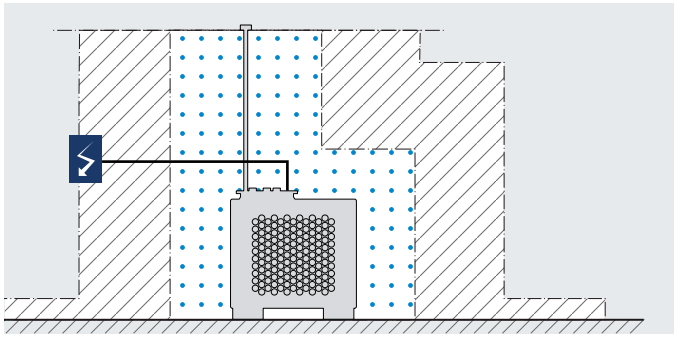
Type	Description	Art. no.
FIRE-RESISTANT FLUIDS		
SE-Ü-40 1	Transducer, protection type IP 40, with simple bracket mounted at the container. Fully connected	86286
SE-Ü-54 2	Control cabinet, protection type IP54, with panel-mounted transducer on the container. Fully connected	31195
SE-ÜI-64 3	Level indicator displayed in percent and height in centimetres with integrated overfill protection, control cabinet protection class IP 64 with transducer for on-site wall mounting, fill-level sensor with float assembled in container	300363
FLAMMABLE FLUIDS		
ELH-Ü-54	IP 54 control cabinet with transducer for mounting outside of the EX zone of the container. Connection between level sensor and control cabinet on-site	31303
ELH-Ü-EEx-d	Control cabinet with EEx-d housing with transducer, completely panel-mounted on the container and fully connected	85974
ELH-ÜI-64	Level indicator displayed in percent and height in centimetres with integrated overfill protection, control cabinet protection class IP 64 with transducer for on-site wall mounting outside the EX zone, fill-level sensor with float assembled in container	300644

Example for EX zone classification





OPTION I:

Zone 0: Zone 0 is the interior of a storage container including feed and ventilation lines. In this area, dangerous explosive atmospheres occur permanently or frequently.

Zone 1: In this area in the vicinity of openings, dangerous explosive atmospheres may occur occasionally during operation.

Zone 2: In this area at a larger distance to a container, dangerous explosive atmospheres do not occur or only temporarily.

OPTION II:

No EX zone: No flammable vapour/air mixtures

IP 54 control cabinet

Control cabinet with EEx-d housing

Ventilation line

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