

FOAM CHAMBERS STO TYPE

OPERATING AND MAINTENANCE HANDBOOK

MOUNTING INSTRUCTIONS

STO type foam chambers are designed for fixed installation for connection to the low expansion foam makers.

Generally the STO type foam chambers are mounted in vertical position along the top of the side wall of fixed roof tanks (sketch A09 0200/02T).

Take care that the outlets of the STO type foam chambers are installed along the top of the side wall of the fixed roof tank in a position which exceeds of min. 50 cm. the highest possible level of the product stored inside the tank.

During installation, take care not to damage the sealing glass diaphragm.

OPERATION OF STO TYPE FOAM CHAMBERS

During normal operation of the fixed roof tank, the sealing glass diaphragm prevents the explosible vapours of the flammable liquid inside the tank to enter into the foam system pipes.

The minimum bursting pressure of the sealing glass diaphragm is of about 0,2 bar (in case of operation of the foam system).

MAINTENANCE

- after each intervention:

- flush the foam chamber with clean water in order to eliminate any foam residual
- replace the sealing glass diaphragm

- every six months:

- check the foam chamber on its integrity
- check the integrity of the sealing glass diaphragm

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