fire kloud

AEROSOL
REVOLUTION
TECHNOLOGY



FKa 1000 E

Installation sheet

Installation, assembly and connection instructions

RINA P0019412/1 · UNI EN 15276 · ISO 15779 · SIL 3 IEC 61508 · 15 YEARS Certified product life

Rev. 00 EN 11/2025

FIREX TECNOLOGIE ANTINCENDIO

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Via delle Centurie, 3/5 - 03100 Frosinone
t +39 0775 1530692 r.a. **www.firekloud.it**

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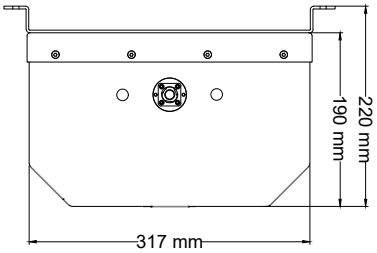
Installation, assembly and connection sheet

fire kloud AEROSOL REVOLUTION TECHNOLOGY

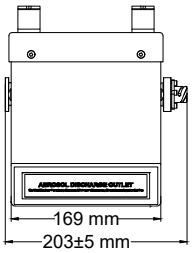
Package contents

- Aerosol generator mod. FKa 1000 with fixing brackets.
- Fire resistant connection cable according to CEI 20105V2 EN50200 PH30 standard, 2x1 sq. mm, L=150 cm, equipped with circular connector.
- Installation, assembly and connection sheet.
- Drilling jig.

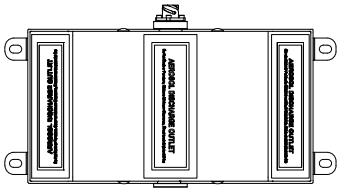
Dimensions



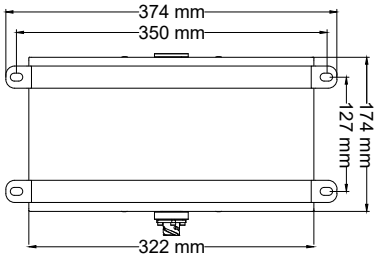
frontal view



side view



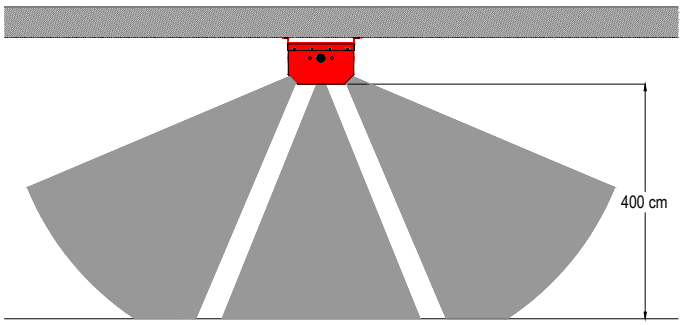
bottom view



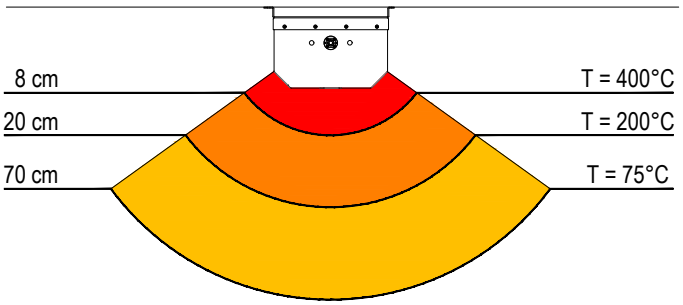
top view

Generator discharge features

Before positioning the generator, check that it is compatible with the discharge range and that safety distances are observed (for details see the installation and operation manual).



Flow direction and range during discharge



Flow temperatures during discharge

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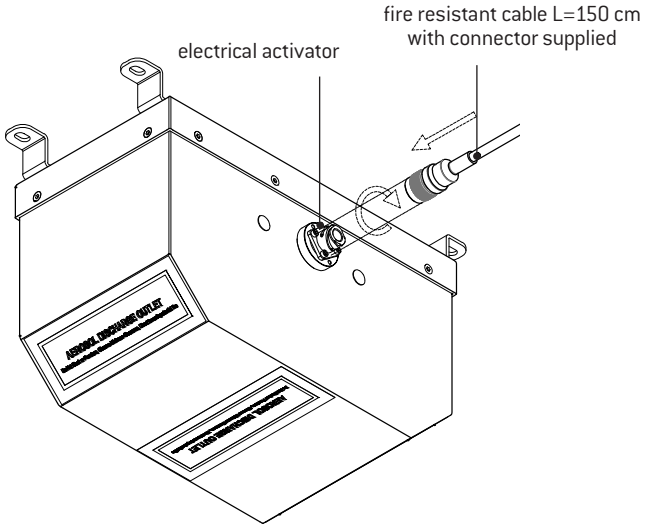
FKa 1000 E

Installation, assembly and connection sheet

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Connection procedures

- Before connecting the generators, read the installation and operation manual carefully.
- The connection procedures must be done after the generator has been positioned and fixed.
- Fire Kloud aerosol generators must be connected only after the system has been commissioned and tested (see the installation and operation manual).
- During the installation, consider the overall dimensions, with paired connectors, of the connection cable with the generator [> 80 mm].

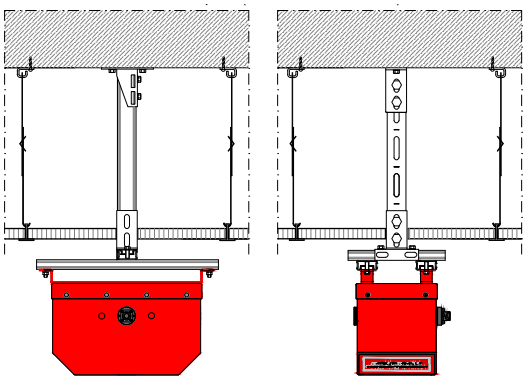


Anchoring and fixing modes

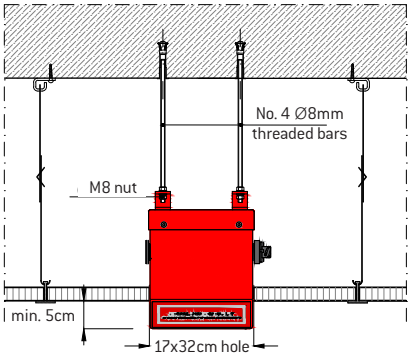
The fixing plug for the generator must be chosen according to the characteristics of the support and must guarantee secure anchorage during the operation of the generator.

CEILING INSTALLATION

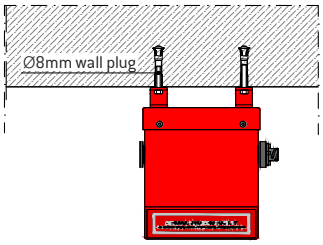
suspended - front and side view



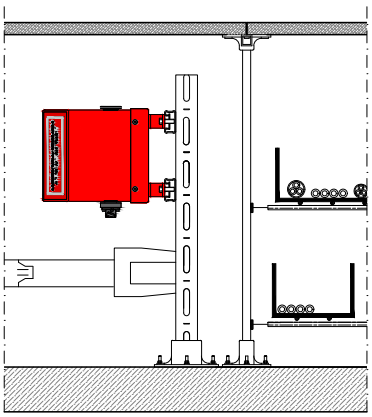
recessed in false ceiling



mounted directly to the floor slab

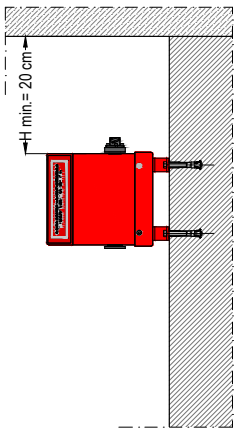


UNDERFLOOR INSTALLATION

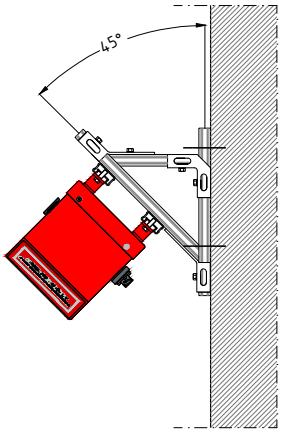


WALL INSTALLATION

directly on the wall

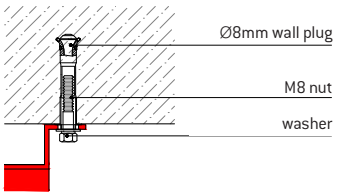


on bracket inclined at 45°

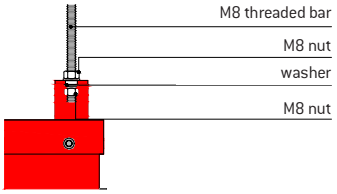


FIXING DETAIL

fixing with wall plug



fixing with threaded bar



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Installation, assembly and connection sheet

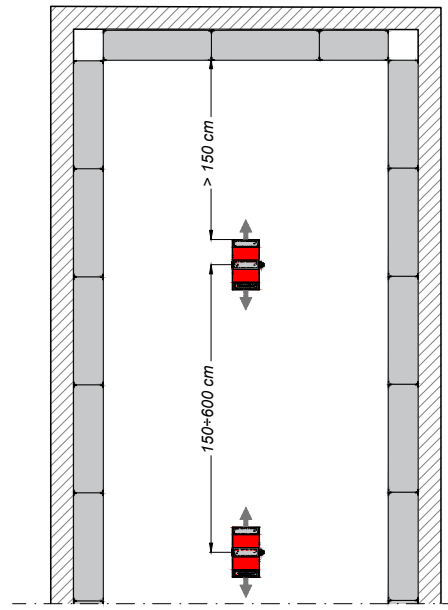
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Ceiling installation

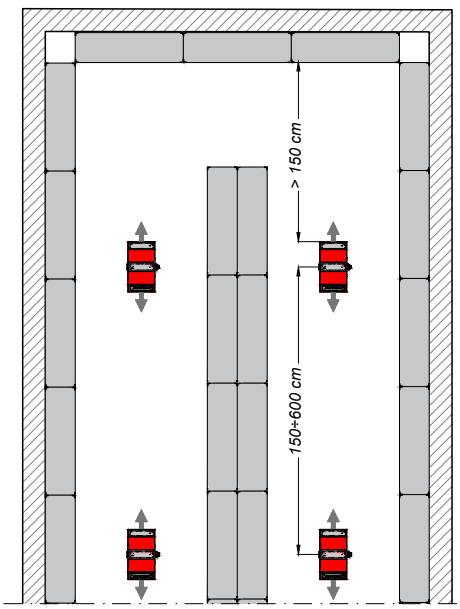
Position the generators in correspondence with the aisles between a row of shelves and/or Rack cabinets, respecting the maximum installation heights, the direction of discharge and the flow temperatures.

EXAMPLES OF CEILING INSTALLATION

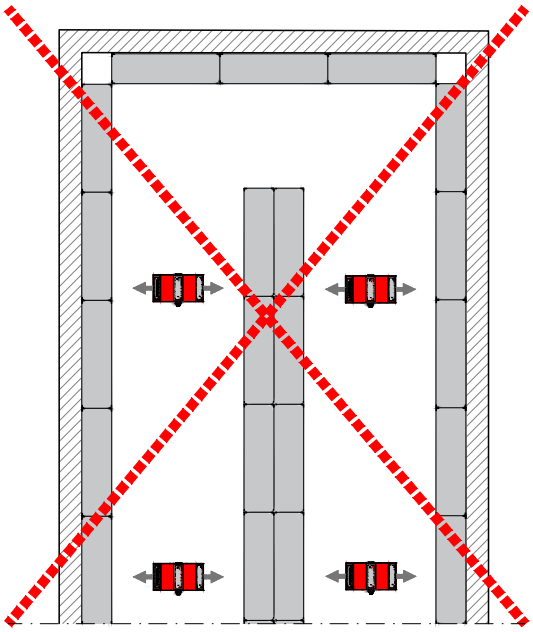
correct installation with wall shelves

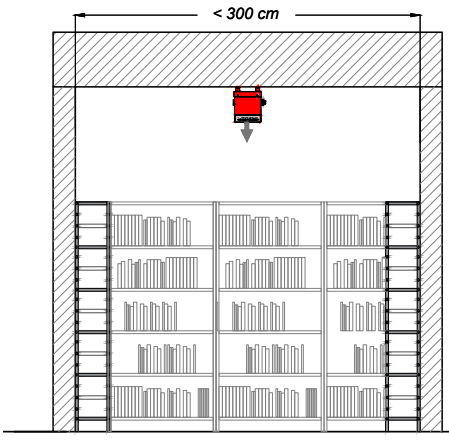


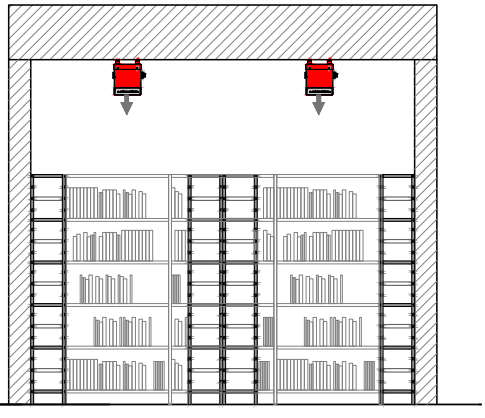
correct installation with central shelf

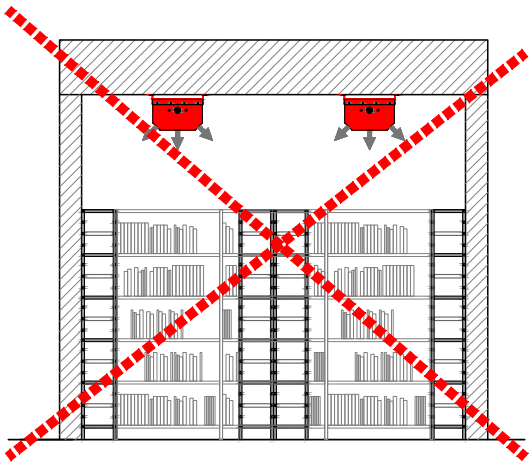


incorrect installation









ADVICE FOR A CORRECT INSTALLATION

- The generators must be distributed evenly in the room, following the design and the indications given below. For further information see the installation and operation manual.
- Due to the high temperature of the generator after the discharge, make sure that the metal casing is not in contact with objects or other things (pipes, lighting fixtures, cable ducts, etc.).
- Ensure that the direction of discharge is respected, that the flow comes out freely and that there are no objects or other things that obstruct and/or are hit at distances shorter than the safety distance.

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Installation, assembly and connection sheet

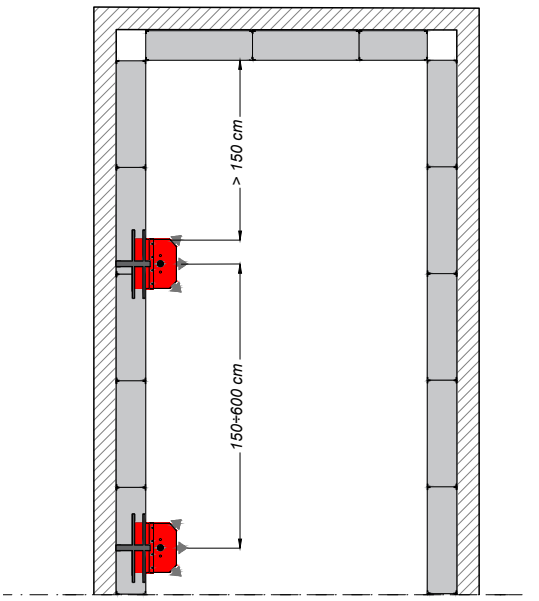
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Wall installation

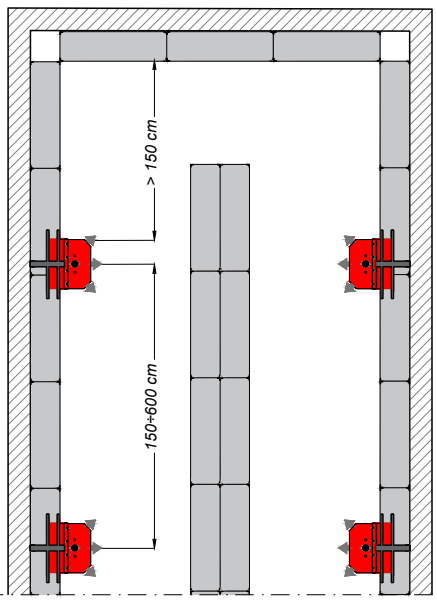
Position the generators on the perimeter above the furniture, tilting the discharge downwards and ensuring that the flow is free from obstacles. Decrease the installation height according to the discharge of the product.

EXAMPLES OF WALL INSTALLATION

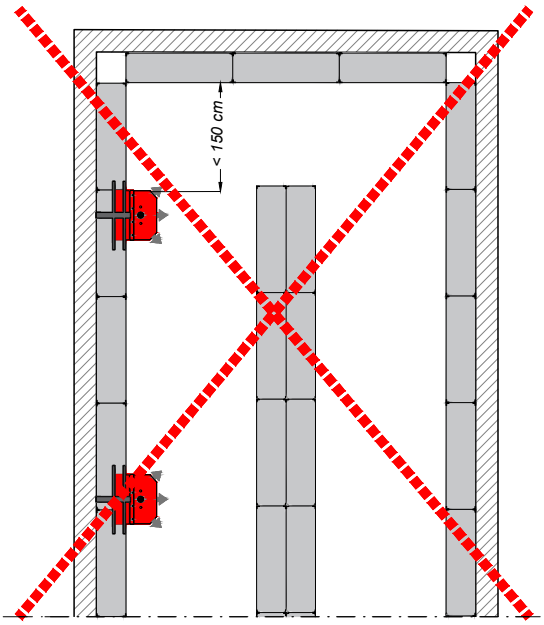
correct installation with wall shelves

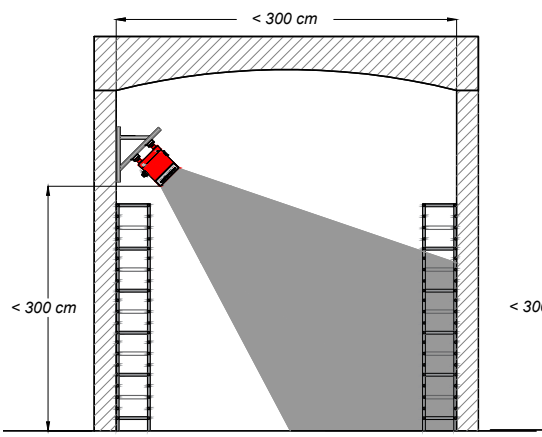


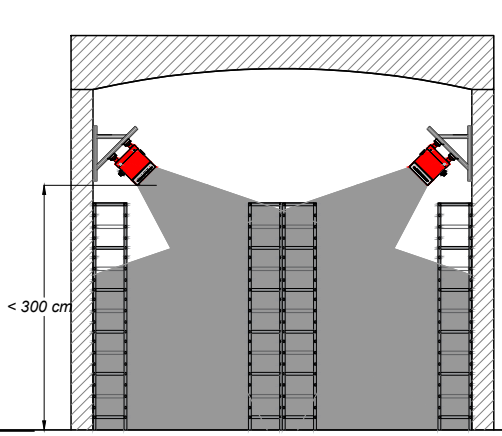
correct installation with central shelf

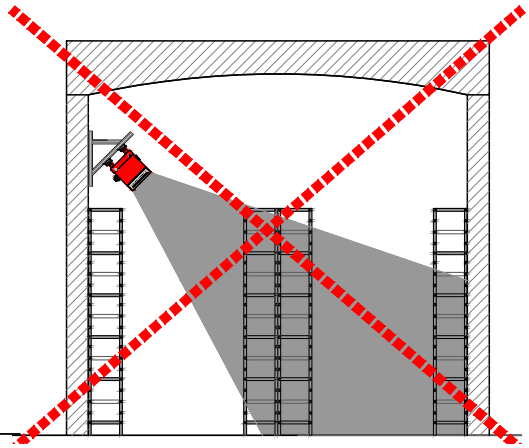


incorrect installation central shelf with single generator









ADVICE FOR A CORRECT INSTALLATION

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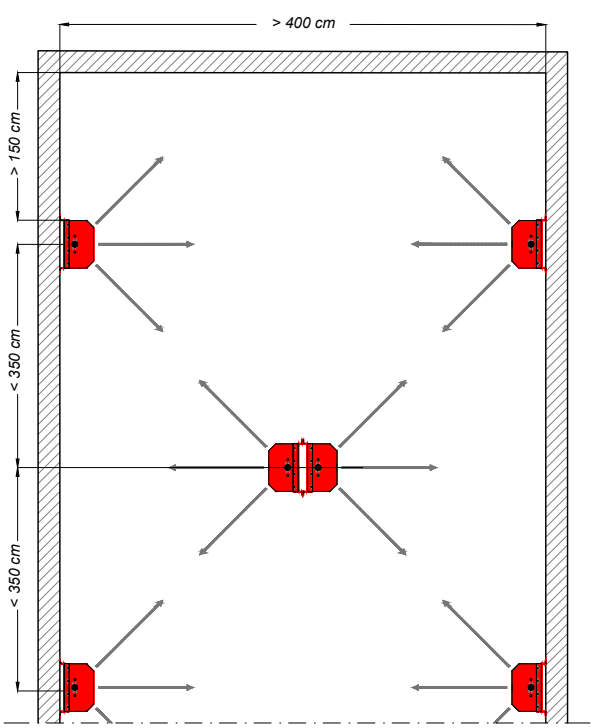
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Installation in false ceiling/underfloor

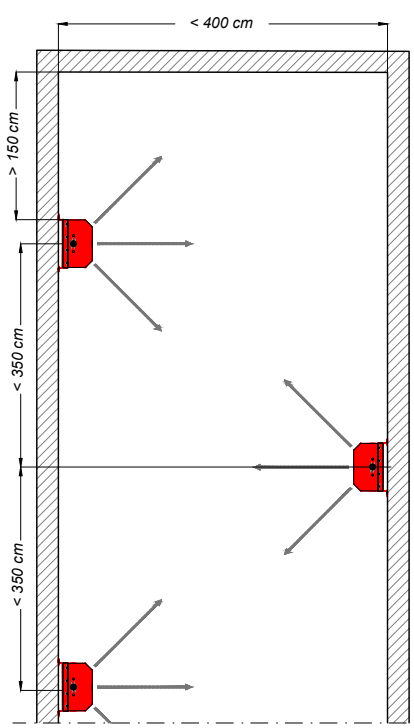
Position the generators on the perimeter and/or in the centre as shown in the figure, being sure that the flow is not obstructed by obstacles such as electrical conduits and/or air ducts.

EXAMPLES OF INSTALLATION IN FALSE CEILINGS

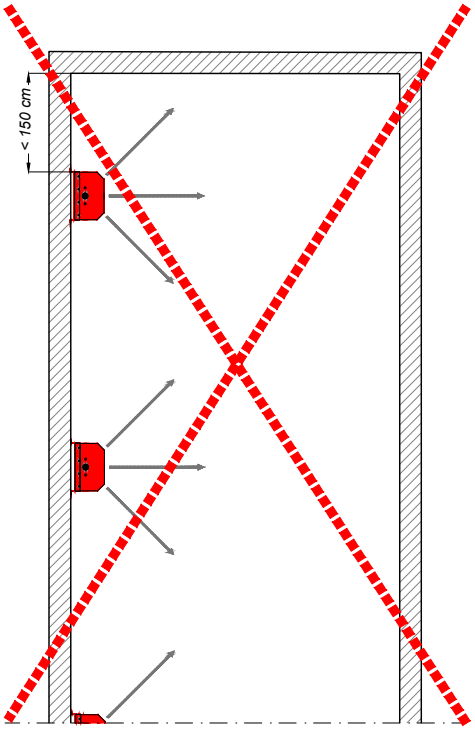
spaces wider than 4 metres

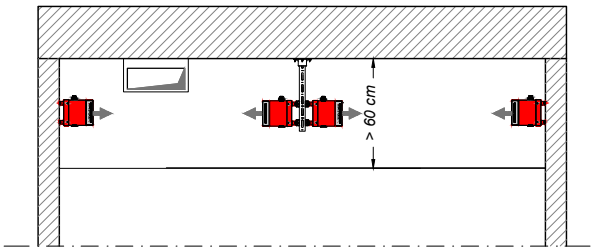


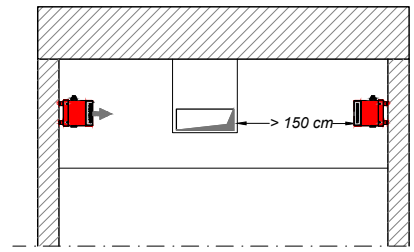
spaces less than 4 metres wide

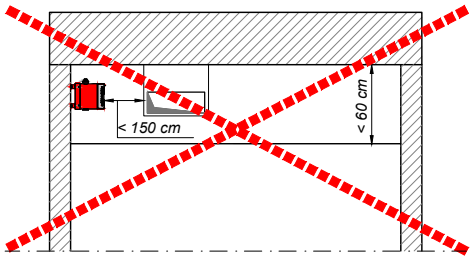


incorrect installation









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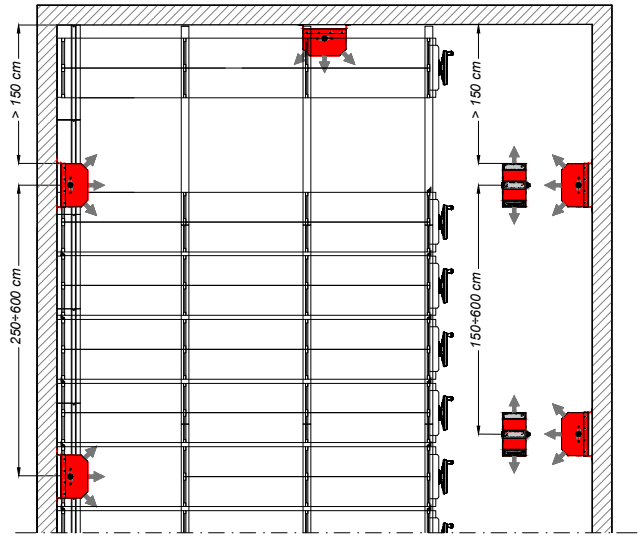
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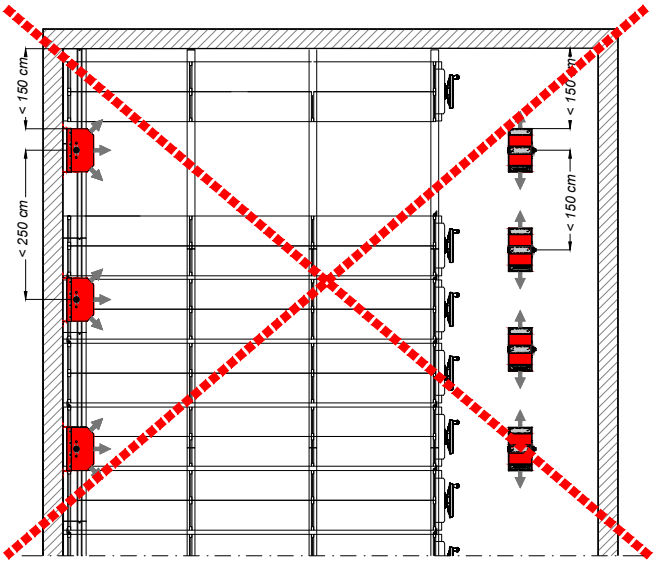
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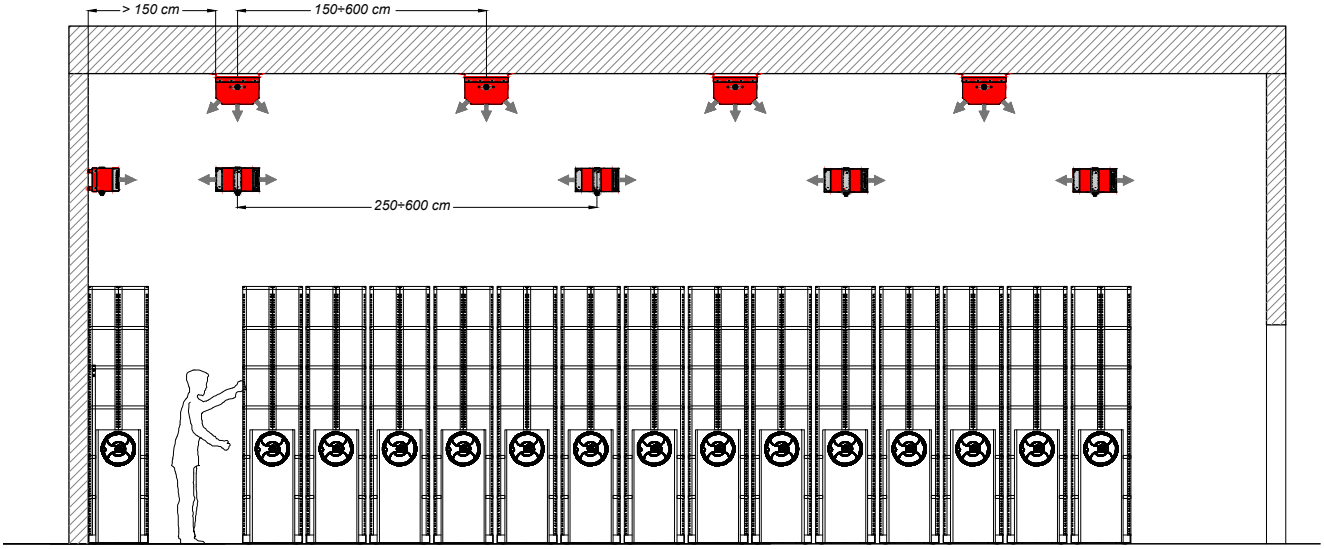
INSTALLATION EXAMPLES IN ARCHIVES WITH COMPACT CABINETS

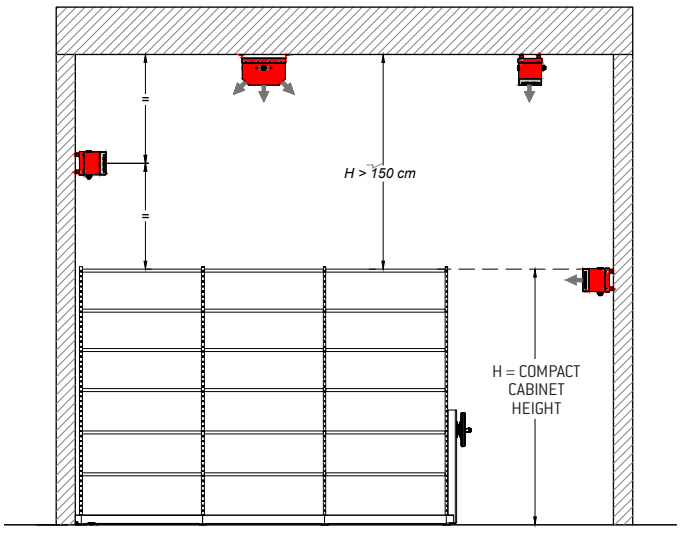
correct installations

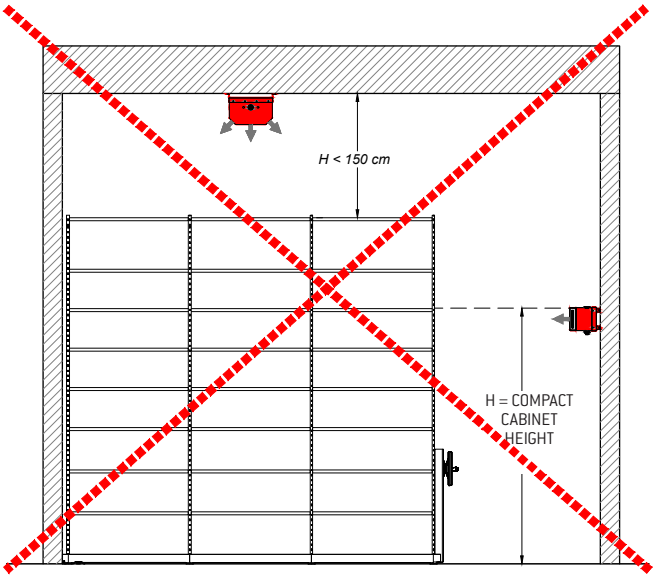


incorrect installations









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