fire kloud

AEROSOL
REVOLUTION
TECHNOLOGY



FKa 400 R

Installation sheet

Installation, assembly and connection instructions

Rev. 01 EN 02/2024

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

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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FKa 400 R

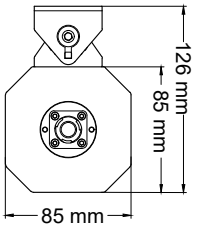
Installation, assembly and connection sheet

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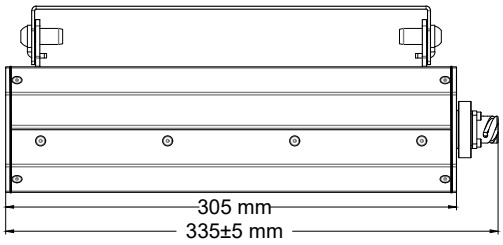
Package contents

- Aerosol generator mod. FKa 400 R.
- Fixing bracket.
- 2 lock washers and 2 M8 Allen screws.
- Fire resistant connection cable in compliance with CEI 20105V2 EN50200 PH30 2x1 sq. mm L=150 cm provided with a circular connector.
- Identifying label.
- Installation, assembly and connection sheet.

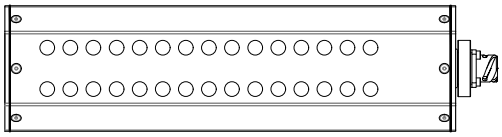
Dimensional specifications FKa 400 R



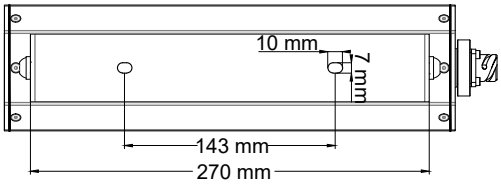
frontal view



side view



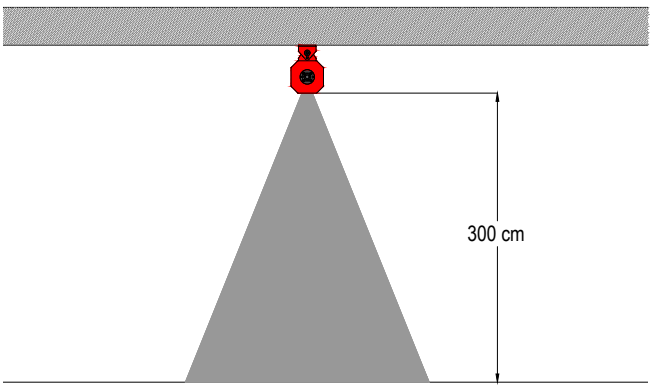
bottom view



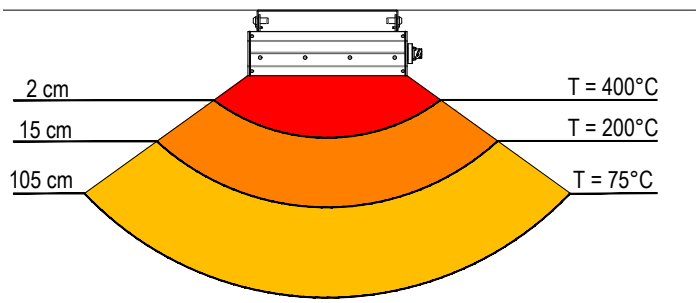
top view

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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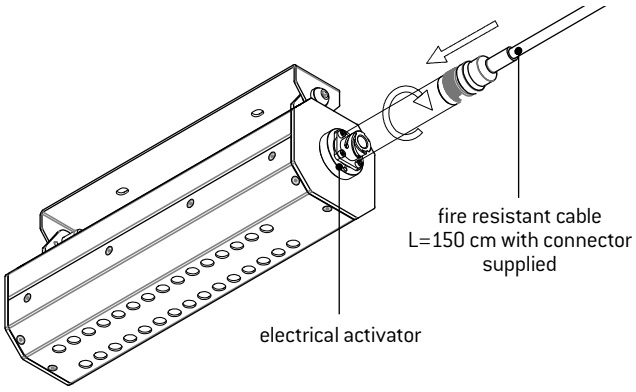
FKa 400 R

Installation, assembly and connection sheet

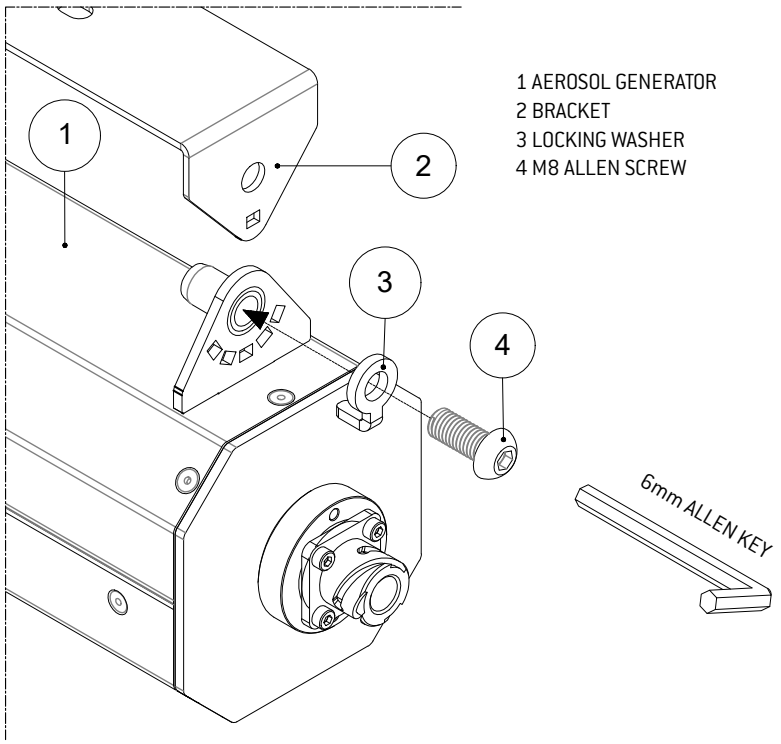
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Connection procedures

- 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].

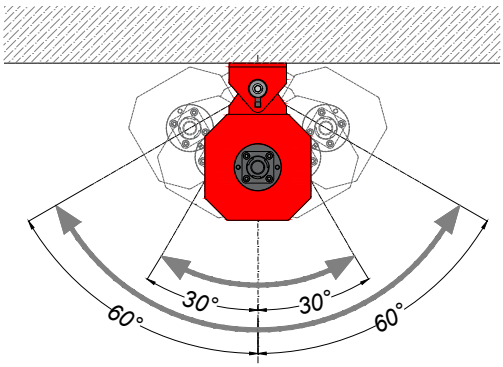


Bracket mounting instructions



1 AEROSOL GENERATOR
2 BRACKET
3 LOCKING WASHER
4 M8 ALLEN SCREW

INSTALLATION FLEXIBILITY



IDENTIFYING LABEL



The label is used to identify the exact position of the generators hidden in the false ceiling and underfloor, it must be applied on the floating floor or on the false ceiling in the same place as the generator in order to facilitate maintenance operations.

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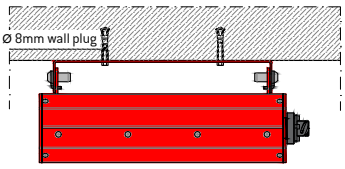
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Anchoring and fixing modes

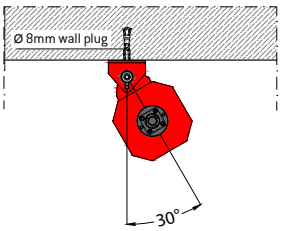
The fixing plug for the generator must be chosen according to the characteristics of the support and must guarantee secure anchorage during the operation of the generator.

CEILING INSTALLATION

ceiling mounted

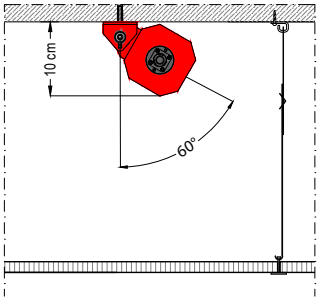


ceiling mounted rotated by 30°

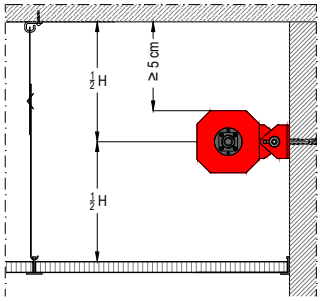


INSTALLATION IN FALSE CEILING

on the ceiling rotated by 60°

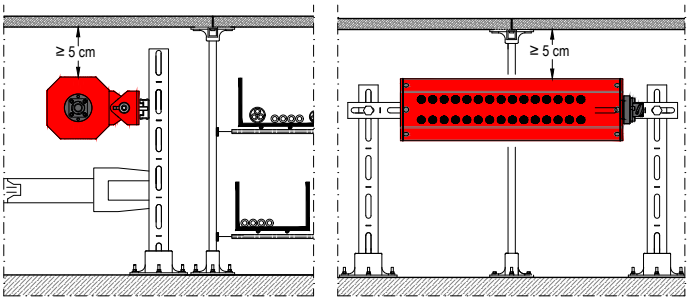


on the wall

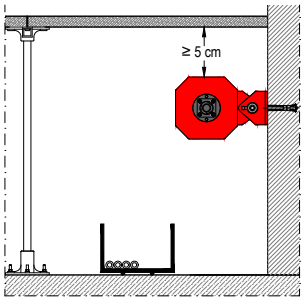


UNDERFLOOR INSTALLATION

mounted on bracket

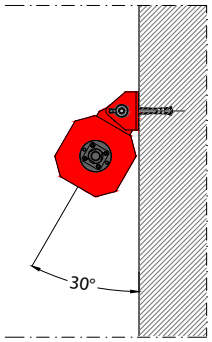


on the wall



WALL INSTALLATION

wall mounted angled downwards



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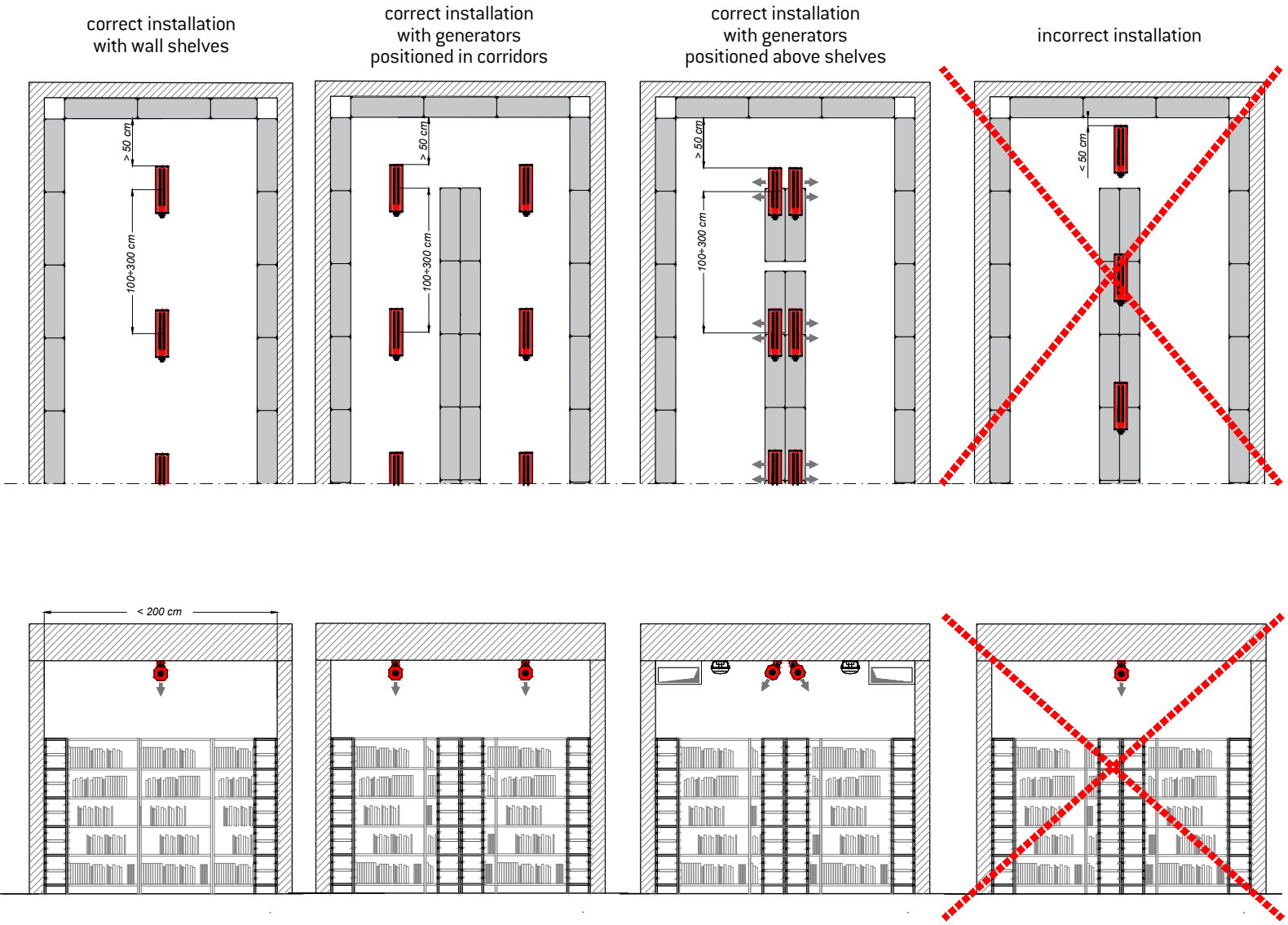
Installation, assembly and connection sheet

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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



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.
- Make sure that the discharge range of the aerosol generator is suitable for the size of the protected area.

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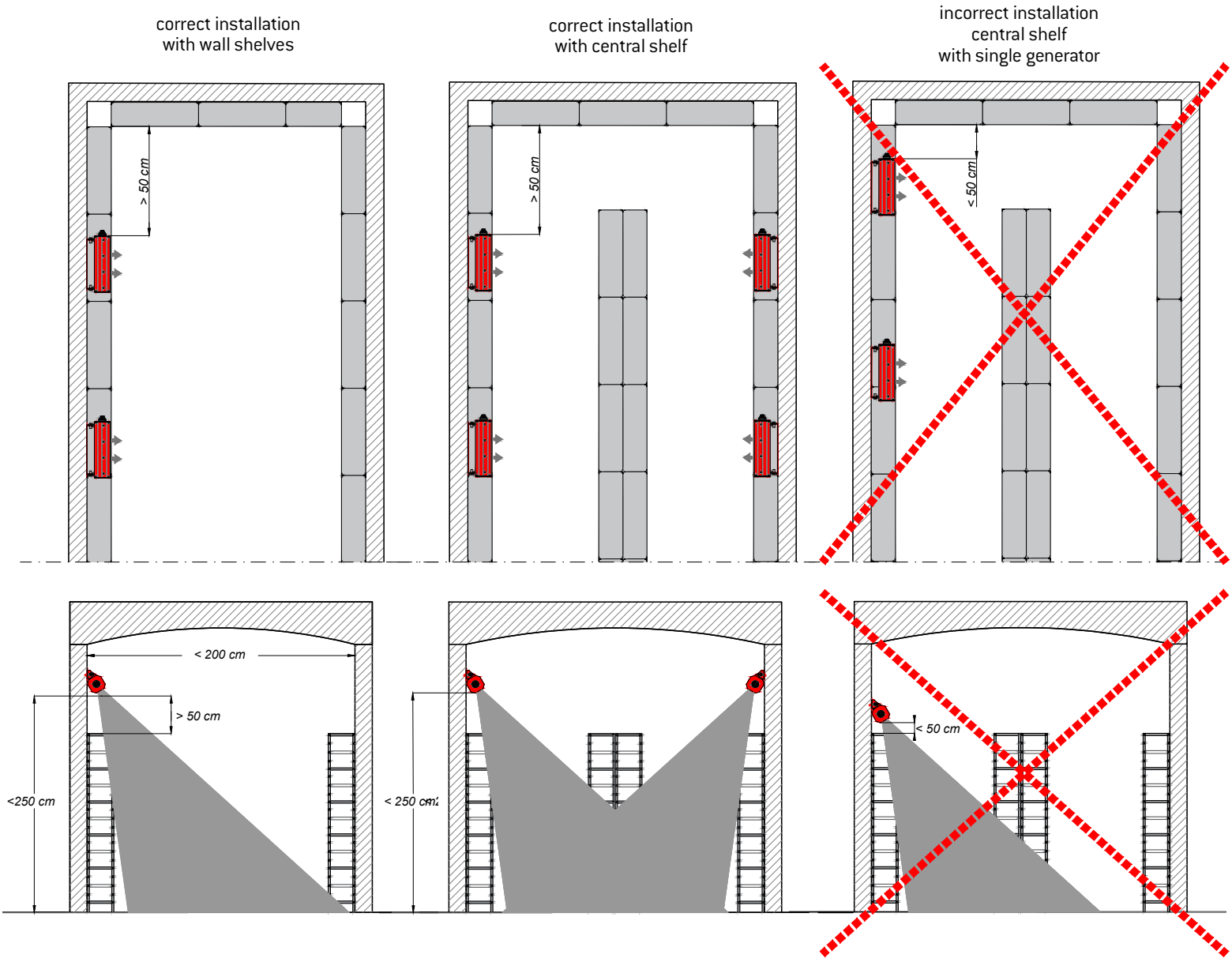
Installation, assembly and connection sheet

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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 of obstacles. Decrease the installation height according to the discharge.

EXAMPLES OF WALL INSTALLATION



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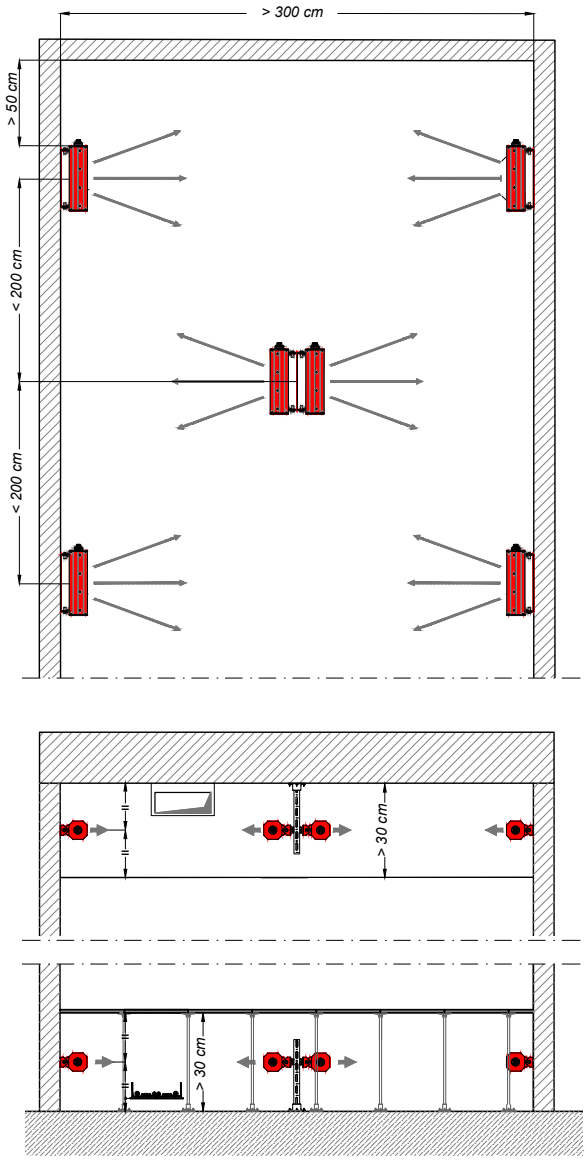
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Installation in false ceiling/underfloor

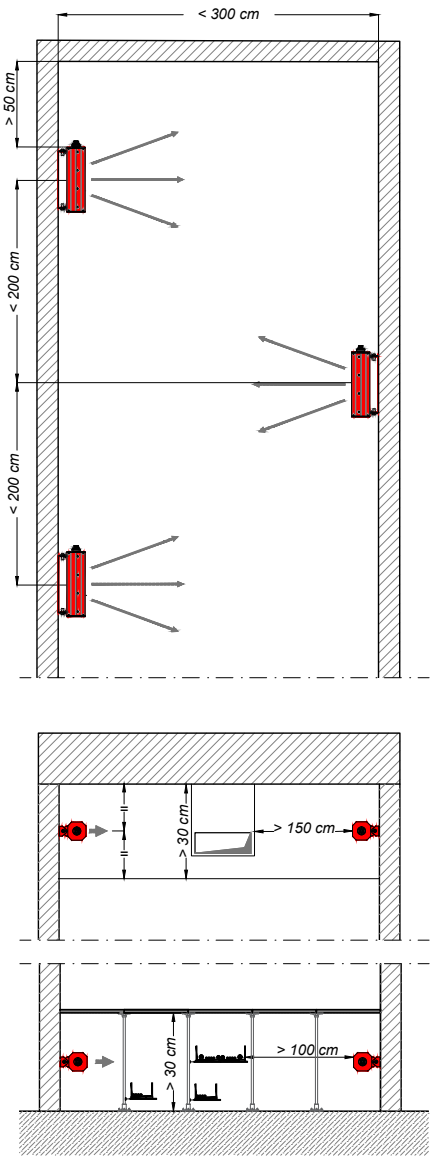
Position the generators on the perimeter and/or in the centre as shown in the figure, being sure that the flow is not obstructed by obstacles such as electrical conduits and/or air ducts.

EXAMPLES OF FALSE CEILING AND UNDERFLOOR INSTALLATION

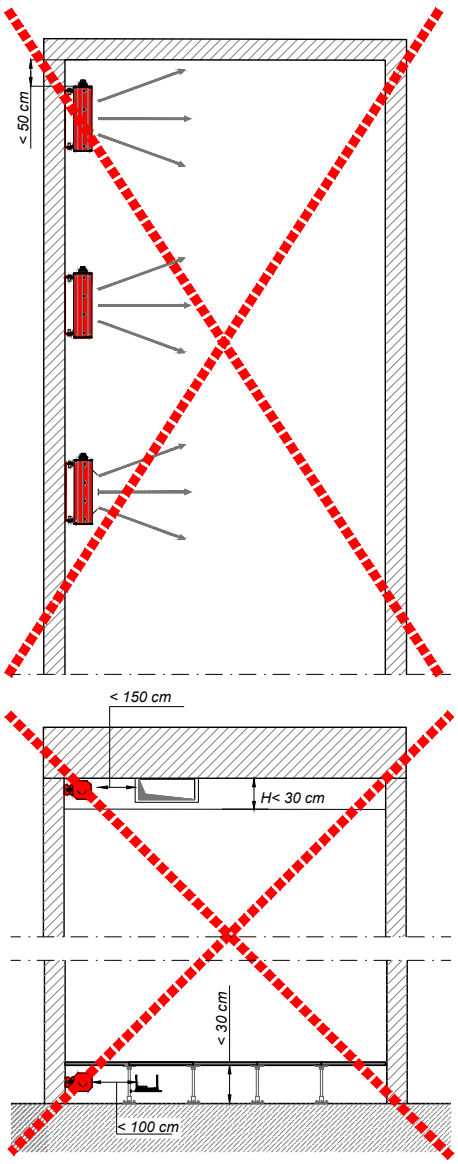
spaces wider than 3 metres



spaces less than 3 metres wide



incorrect installation



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