



**K120A**

## Description

K120A is an oven-painted galvanized steel panel for installation on exposed cross-structure for 1200x1200 mm modular false-ceilings.

K120A is an active panel equipped with n.4 anodized aluminium thermal diffusers 220 mm wide factory-glued to the panels. The hydraulic circuit is made by a 16x1,5 mm plastic pipe with anti-oxygen barrier. Thermal insulation needs may be satisfied using the K820 polyester fibre thermoacoustic panel.

## Versions and product code

Product code	Panel finish	Color	Activation	Module [mm]	Dimensions [mm]
K120AX501	micro-holes R2516	white RAL9010	type A220, 4 diffusers	1200 x 1200	1030 x 1030
K120AX502	smooth	white RAL9010	type A220, 4 diffusers	1200 x 1200	1030 x 1030
K120AX701	micro-holes R2516	silver RAL9006	type A220, 4 diffusers	1200 x 1200	1030 x 1030
K120AX702	smooth	silver RAL9006	type A220, 4 diffusers	1200 x 1200	1030 x 1030

## Optional and spare parts

**K820:** polyester fibre thermoacoustic panels (optional)

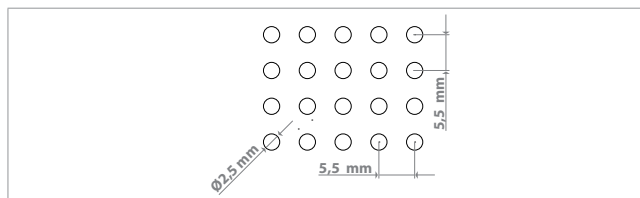
**RC900:** reinforcement bush for plastic piping (spare part)

## Technical data

- A220 activation (4 anodized aluminium thermal diffusers)
- Anchoring to exposed cross-structure
- Piping: 16x1,5 mm plastic pipe with BAO
- Panel: 8/10 galvanized steel
- Panel dimensions: 1030x1030 mm and 0,8 mm thick
- False-ceiling modules: 1200x1200 mm
- Fire reaction class: 0
- $K_v = 1,52$
- Panel water content: 1,18 l

## Standard micro-holes

Available as smooth and with micro-holes; the latter presents 2,5 mm micro-holes on the entire surface, except for a 15 mm wide perimetral area (16 % micro-holes).



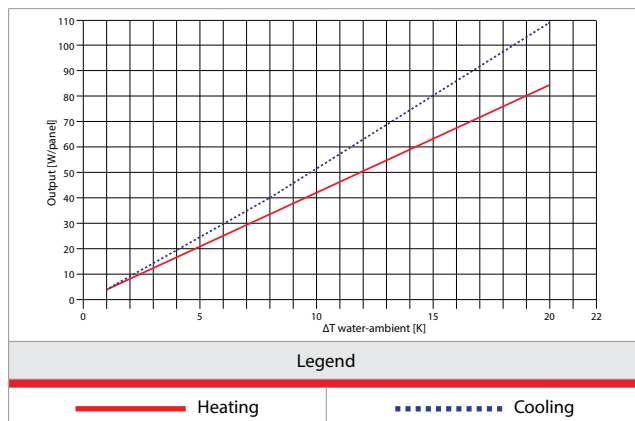
## Nominal outputs

- Heating (according to EN14037): 46,3 W/m<sup>2</sup> with 10K water-ambient  $\Delta T$ .
- Cooling (according to EN14240): 44,1 W/m<sup>2</sup> with 8K water-ambient  $\Delta T$ .



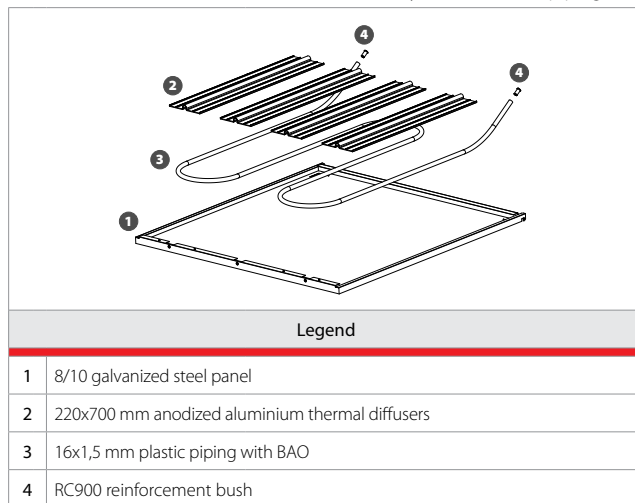
### Note.

Output for single panel compliant with tests in thermostatic chamber according to EN14240 and EN14037.



## A220 Activation

Active panels are equipped with n.4 220x700 mm factory-glued thermal diffusers. RC900 reinforcement bushes are already inserted in the piping end.



## Anchoring to parallel structure

Every panel is equipped with two hooks fitted in their supporting slots around which the panel can pivot. Two safety springs keep the panel in place and enable to open and close it. K120A panels can be detached, pivoted by 90° and placed vertically to open the false-ceiling and access the plenum for inspection or maintenance of other installations, also when the system is running.



## Connection

Panel-panel and panel-manifold connections are provided by RC push-fittings and a 16x1,5 mm plastic pipe (R986-1 series).



RC102X007 (16 x 16 mm)



RC122X007 (16 x 16 mm)



R986SY120 (16 x 1,5 mm)



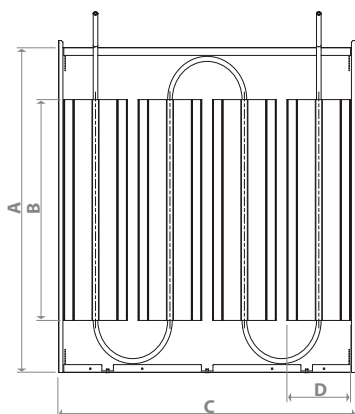
RC900Y016 (16 x 1,5 mm)



### Warning.

RC push-fittings connections are irreversible. The plastic pipe end must be fitted with an RC900 reinforcement bush before inserting the RC push-fitting.

## Dimensions



A [mm]	B [mm]	C [mm]	D [mm]
1030	700	1030	220

## Specifications

### K120A

Galvanized and oven-painted 8/10 steel active panel for installation on exposed cross-structure. Activation consisting of four 220x700 mm anodized aluminium thermal diffusers. 16x1,5 mm plastic pipe with anti-oxygen barrier hydraulic circuit. Smooth or with micro-holes. Pivoting opening with two hooks fitted to the support structure slots. Dimensions 1030x1030 mm.

## Additional Information

For additional information please check the website [www.giacomini.com](http://www.giacomini.com) or contact the technical service: ☎ +39 0322 923372 📠 +39 0322 923255 ✉ [consulenza.prodotti@giacomini.com](mailto:consulenza.prodotti@giacomini.com)  
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