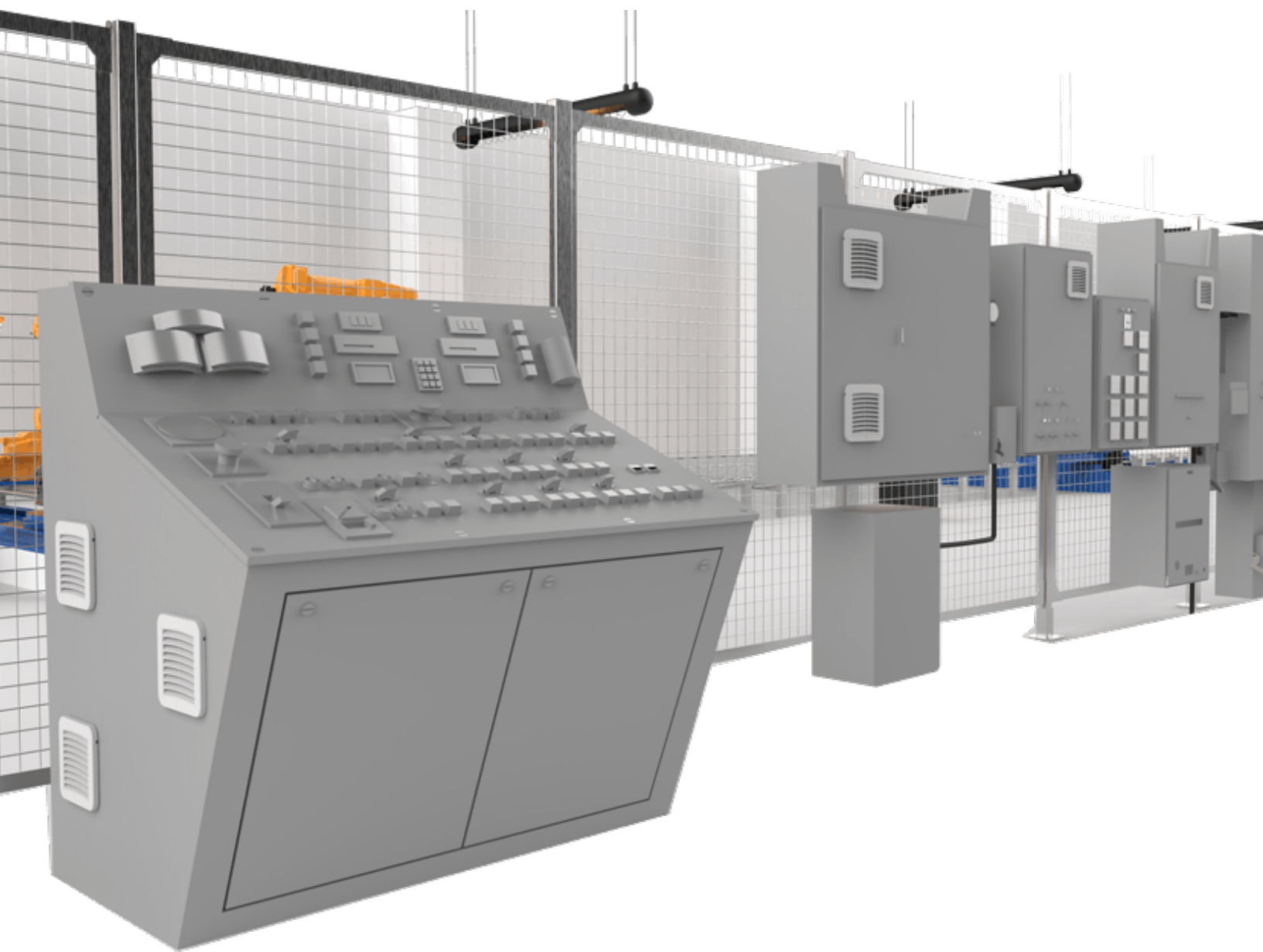


# Kryos<sup>3</sup>

Filter fans for ventilation of the electrical enclosure



# Griglie di ventilazione per quadri elettrici

Kryos<sup>3</sup> GS filters fans, for the ventilation of electrical enclosures, are the optimal solution when the ambient temperature is lower than the temperature inside the cabinet, and can be installed, thanks to their reduced depth, on various types of panels.

Together with a new modern design, Kryos<sup>3</sup> filter fans offer the same wide range of sizes and power supplies as previous generations, allowing you to choose the most suitable solution for your installation and geographical area.



“New design,  
unaltered quality”

## User Friendly Installation

Easy to install without the use of tools or screws, thanks to the clips on the rear grille, which provide an adequate seal between the grille and the cabinet. The filter fans can be installed on different types of enclosures with thicknesses between 0.8 and 3 mm, for CNx10 between 0.8 and 2 mm. Fixing with screws is possible for larger thicknesses; each article is provided with embossments on the rear grille.

### FOCUS - The international solution for ventilation of the electrical enclosure

In a globalized and competitive market it is fundamental to provide the correct certification for each country in which it is exported.

In fact, the only CE market in accordance with the European directives is not accepted in the United States, Canada and Eurasian countries. It is for this reason that the filter fans Kryos<sup>3</sup> have specific certifications that guarantee safety and quality standards, adding value and confidence to the product, reducing the costs for approvals/installation and the time to access the market.



# Maximum Flexibility

## Fast Electrical Connection

The electrical connection and the possible replacement are easier and faster thanks to the connection by spring terminal for all the size (except GSV10).

## Air Flow Reversibility

With an easy procedure it is possible to reverse the fan and the air flow from push to pull on all the models of the range. This allows to choose easily the suitable configuration.

## Easy Maintenance

The cleaning and replacement of the filter mat are very easy and fast thanks to the flap-open of the front grid.

## Compatibility with the past

The Kryos<sup>3</sup> range maintain the complete compatibility with the previous generations (GH and GK), allowing the mounting on existing applications.



## “Protection degree certified by an external agency”

The integrated foam seal guarantees a suitable seal between filter fan and enclosure.

The Kryos<sup>3</sup> assure protection against dust and splashing of water, with an **IP54/Type12 protection degree**.

It is possible to **increase the protection degree up to IP55 or IP56**, by additional filter mat or hose proof hood, in order to able to install the Kryos<sup>3</sup> in more severe ambient conditions, without risks for the equipment inside the enclosure.

The test are certified by an external agency, who has so approved the protection degree.

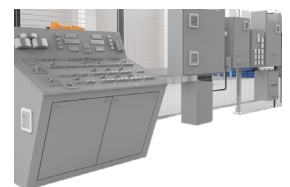
## Application Examples

### Cooling compact enclosure/Industrial workstation

The control panel sector is made by several solutions, among which there are compact enclosure, PC enclosure, support arm systems, that they have a few heat load internally.

### Demands...

In a production line is possible to find workstation with control panel/support arm system or compact enclosure where the space needed for the installation of the components is limited or practically zero but with low internal heat load. Moreover, in this area the ambient temperature usually is low and/or particularly dirty or dusty.



### ... and solution

With Kryos<sup>3</sup> range, Cosmotec offers ventilation solution in order to use the ambient air to cool directly the enclosure, maintaining a correct protection degree against dust or water entry (certified test by external agency). The wide range of sizes and power supplies and the reduced depth allow the suitable solution for the specific application.

# Technical Features - Kryos<sup>3</sup>

## General Features

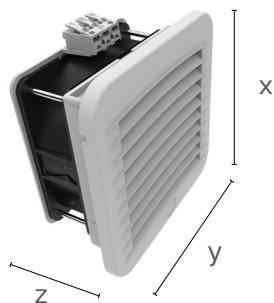
- Air flow: 35 m<sup>3</sup>/h – 850 m<sup>3</sup>/h
- Fastening system allows for tool-free installation
- Reversibility from push to pull air flow
- Easy flap-open of the front grid for replacement cleaning of the filter mat
- Protection Degree IP54/Type12 (certified by an external agency)
- MTBF fans: 40.000 hours
- Resistance against UV sunshine rays
- Fast electrical connection (GSV15...GSV30)
- Integrated foam seal to enclosure
- Certifications: CE, EAC, UL Listed, UL Recognized

## Options

- RAL 9005 color (on request)

## Accessories

- Spare filter mats
- Additional filter mat for IP55
- IP56 Hose proof hood



GSV		1000	1500	2000	2500
Dimensions (X-Y)	mm	119 - 119	152 - 152	204 - 204	250 - 250
Dimensions (Z)	mm	57.5	75	98	118
Air Flow	m <sup>3</sup> /h	35 (Vac) 50 (Vdc)	67	108	190 (Vac) 230 (Vdc)
Power Supply	V-ph-Hz	230-1-50/60 e 115-1-50/60			
	Vdc	24 (12 e 48 su richiesta)			

GSV		2501	3000	3001	3002
Dimensions (X-Y)	mm	250 - 250	318 - 318	318 - 318	318 - 318
Dimensions (Z)	mm	99	139	135	160.5
Air Flow	m <sup>3</sup> /h	270	500	700	850
Power Supply	V-ph-Hz	230-1-50/60 e 115-1-50/60			
		--			
		400-3-50 460-3-60			

GSF		10	15	20	25	30
Dimensions (X-Y)	mm	119 - 119	152 - 152	204 - 204	250 - 250	318 - 318
Dimensions (Z)	mm	28.5	32.5	33.5	47.5	34

Versions: 12 Vdc and 48 Vdc son request