cosmotec

your cooling solutions

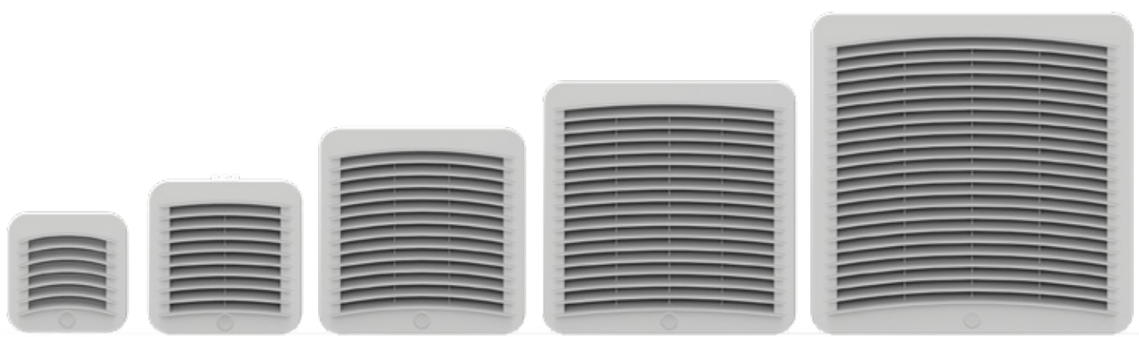


Kryos^3

GSV

Filter fans for electrical cabinets

Kryos³ 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, **Kryos³** 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.

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.

The international solution for ventilation of the electrical enclosure

c UL us LISTED

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

IIn fact, the only CE market in according the European directives is not accepted on the Unite States, Canada and Eurasian country. It is for this reason **the filter fans Kryos3 have specific certifications that guarantee safety and quality standard, adding value and confidence at the product, reducing the costs for approvals/installation and the time access to the market**.

Certified Protection degree

The integrated foam seal guarantees a suitable seal between filter fan and enlcosure.
The Kryos3 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 Kryos3 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.

Easy and safe installation

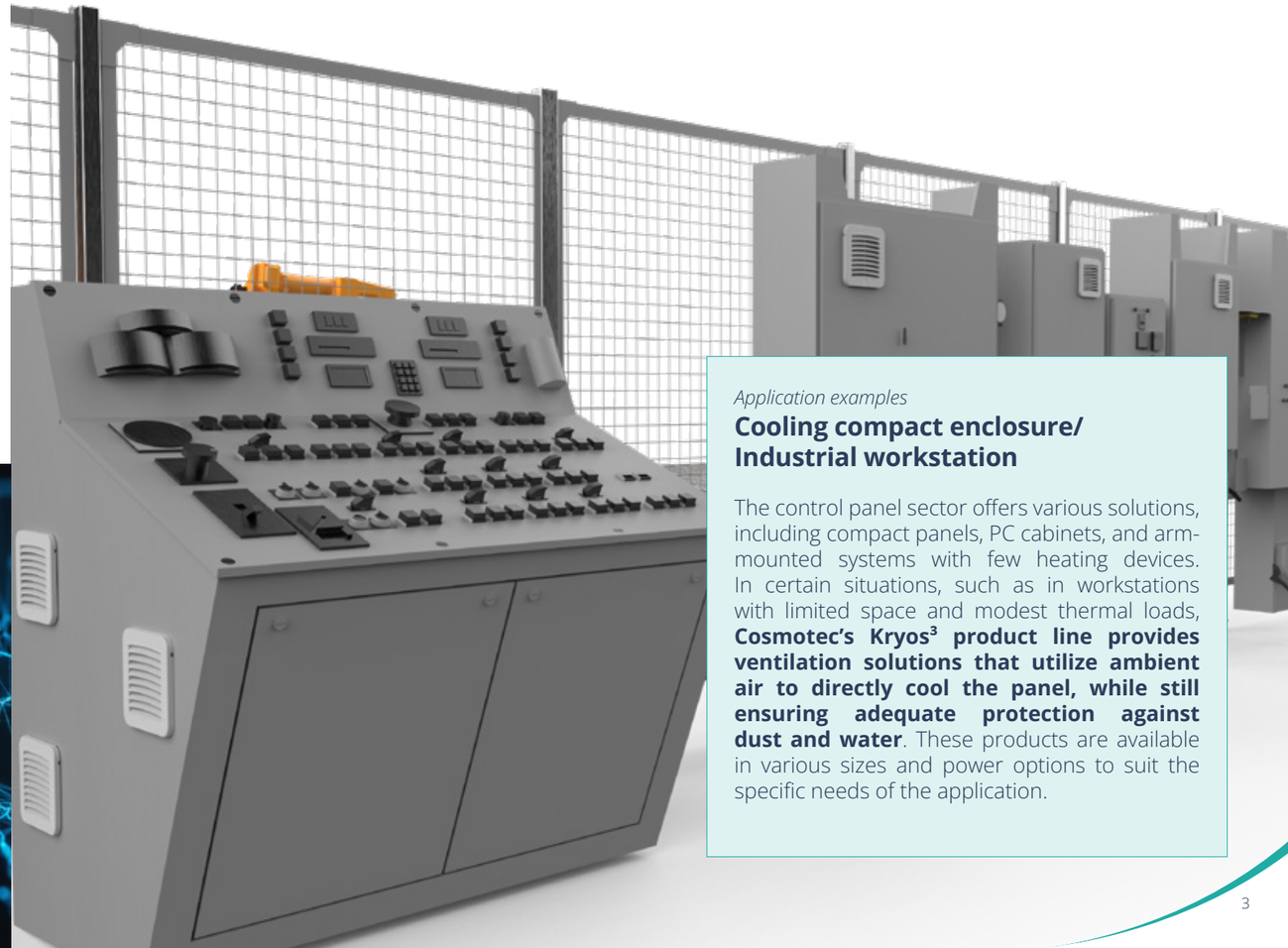
AIR FLOW REVERSIBILITY
With an easy procedure it is possible to reverse the fan and the air flow from push to pull on all the models of the range. **This allows to choose easily the suitable configuration.**



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

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).

COMPATIBILITY WITH THE PAST
The **Kryos3** range maintain the complete compatibility with the previous generations (GH and GK), allowing the mounting on existing applications.



Application examples

Cooling compact enclosure/ Industrial workstation

The control panel sector offers various solutions, including compact panels, PC cabinets, and arm-mounted systems with few heating devices. In certain situations, such as in workstations with limited space and modest thermal loads, **Cosmotec's Kryos³ product line provides ventilation solutions that utilize ambient air to directly cool the panel, while still ensuring adequate protection against dust and water**. These products are available in various sizes and power options to suit the specific needs of the application.

Technical Features

General Features

- Air flow: 35 m3/h – 850 m3/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

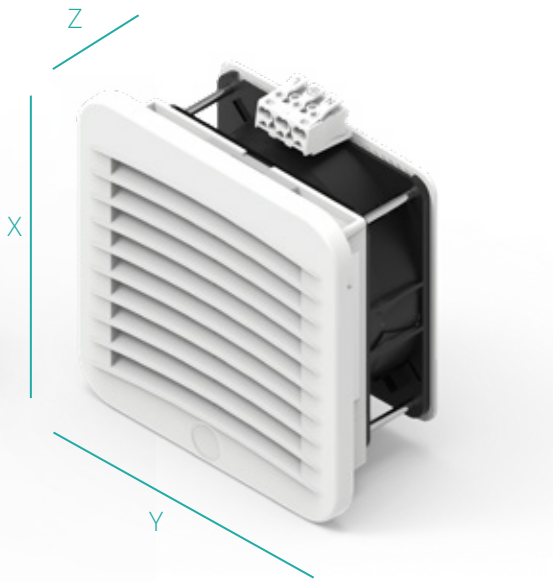
Options

- RAL 9005 color (on request)



Accessories

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



GSV		1000	1500	2000	2500	2501	3000	3001	3002
Dimensions (X-Y)	mm	119-119	152-152	204-204	250-250	250-250	318-318	318-318	318-318
Dimensions (Z)	mm	57.5/71	75	98	118	99	139	135	160.5
Air flow	m3\h	35 (Vac) 50 (Vdc)	67	108	190 (Vac) 230 (Vdc)	270	500	700	850
Power supply	V-ph-Hz	230-1-50/60 e 115-1-50/60							
	Vdc	24 (12 e 48 su richiesta)				--			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 on request

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