



# KRYOS<sup>3</sup>

FILTER FAN



YOUR FUTURE  
IS ALREADY  
IN OUR  
MIND



# Company

## Cosmotec History

Founded in 1989, Cosmotec in 2001 joined the Stulz GmbH group with head offices in Hamburg. In 2004 Cosmotec SpA changed its name to Stulz SpA.

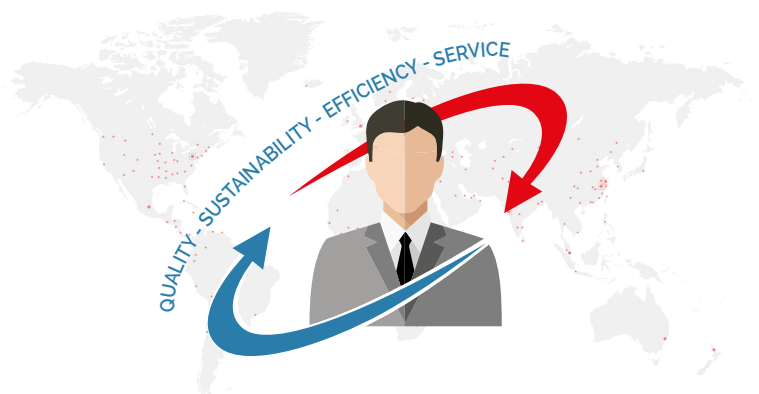
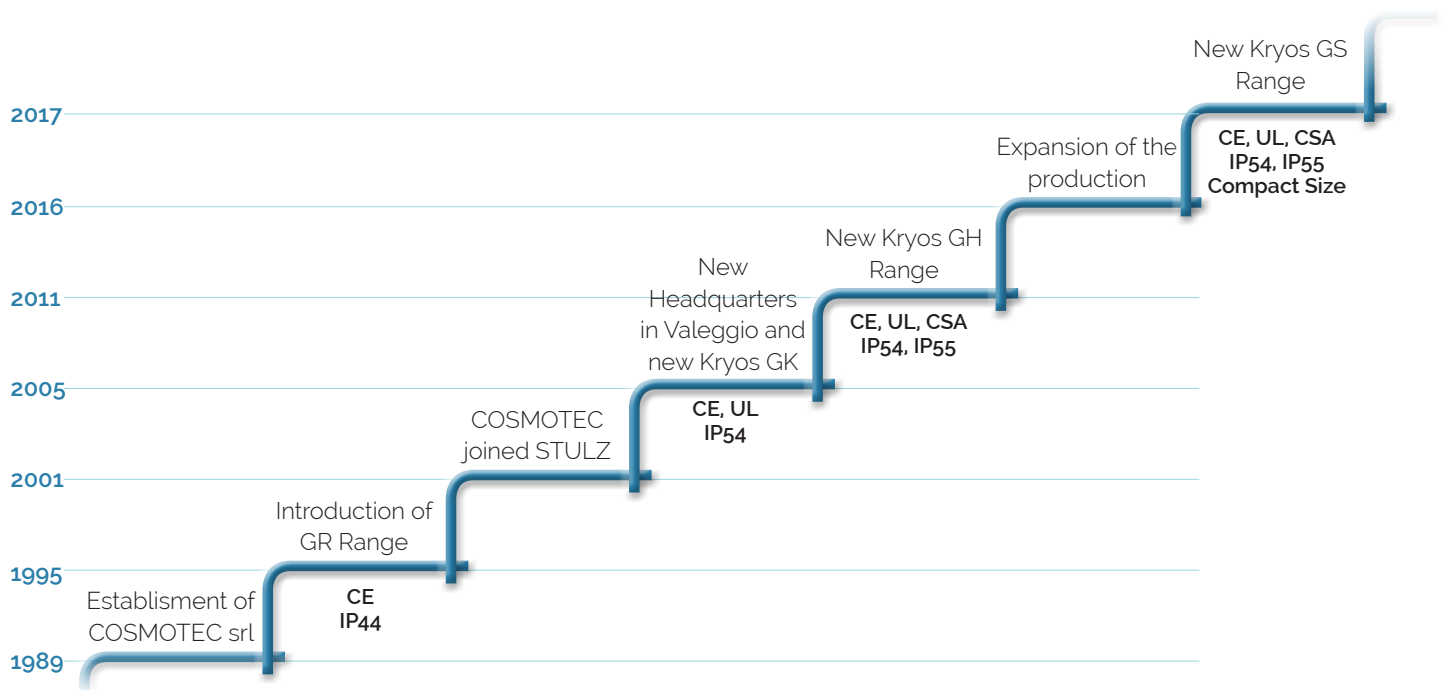
STULZ SpA immediately emerged as a major force in the air conditioning and refrigeration production field for the industrial and ICT market.

Innovation, flexibility and respect for the environment are the Stulz quality factors behind ISO9001 certification.

The Integrated Quality, Environment, and Safety System reaches the goal to ensure the achievement of the highest levels of quality, reliability, economic competitiveness of the product, with the maximum respect for the Environment, Health and Safety of workers and customers.

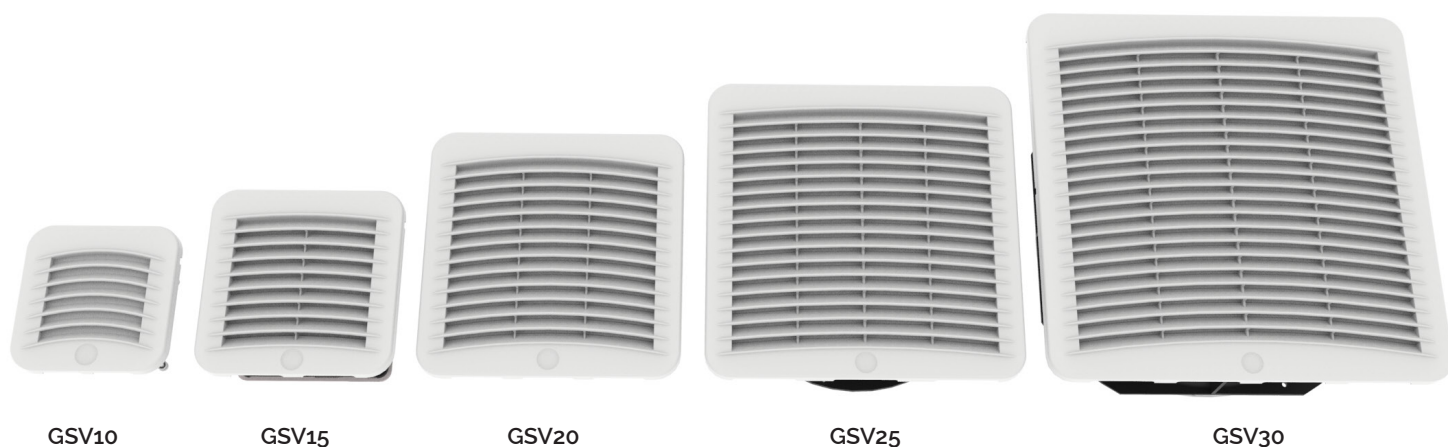
All the activities related to the Integrated System are aimed to the Continuous Improvement of the Quality, Environment and safety standards, with the cooperation of every company resource, suppliers and customers.

The Integrated Quality, Environment, and Safety System include the ISO14001 (Environmental Management System) and ISO50001 (Energy Management System) certifications.



Cosmotec has commercial partners and technical assistance centre worldwide; this allow us to ensure Timeliness and completeness of replies to the Customer. Thanks to the advice of technical experts and to installation and maintenance services, Cosmotec is by your side along the complete life cycle of the product.

# New Design, same Quality



## Range

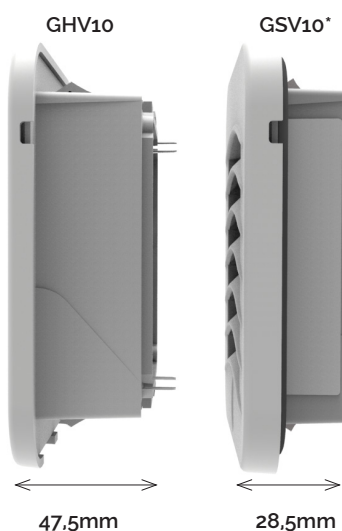
Together with their new modern design, Kryos<sup>3</sup> Filter Fans offer the same wide range of sizes and power supplies of the previous generations, to let you choose the best solutions for your system and area.

You can choose:

- 230 V<sub>AC</sub>
- 115 V<sub>AC</sub>
- 400/460 V<sub>AC</sub>
- 24 V<sub>DC</sub>
- 12 V<sub>DC</sub> (on request)
- 48 V<sub>DC</sub> (on request)

## Smaller Depth

The filter fans can be installed on different types of enclosures with thickness from 0,8 to 3 mm. Thanks to its reduced depth compared to the previous version, the new Kryos<sup>3</sup> allows the installation on smaller switchboards or with limited internal space.

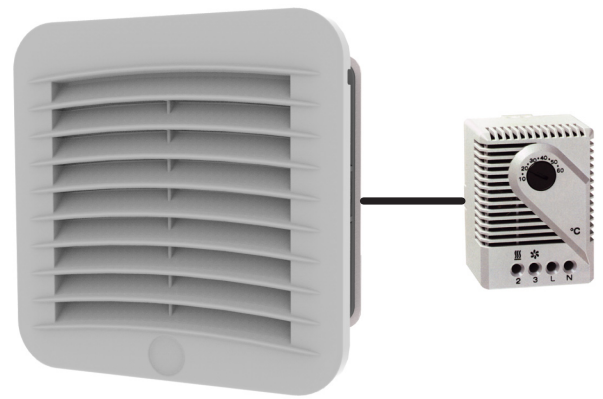


\* You can find the sizes of all models in the "Technical Data" of this document

## Applications

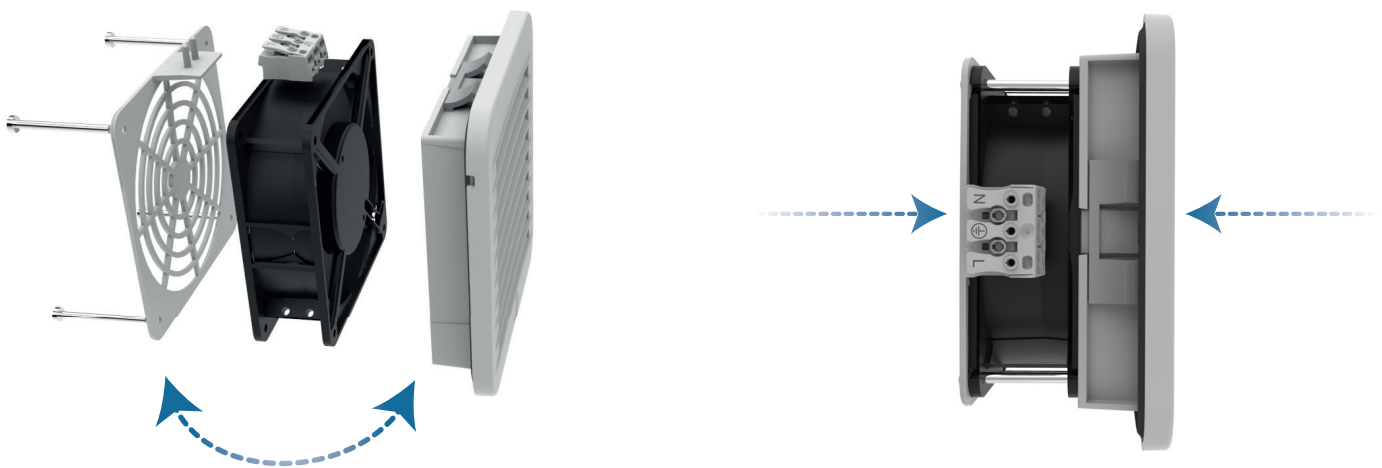
The new filter fans Kryos<sup>3</sup> GS for the ventilation of electrical panels are the perfect solution when the ambient temperature is lower than the one inside the panel.

The filter fan operation can be optimized using a TMF thermostat, to turn on and off the fan.



## Reversible Air Flow

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 best configuration for every requirement.



## Maintenance

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



## Setup

Kryos<sup>3</sup> maintains the complete compatibility with the previous generations (GH e GK), allowing to mount the new filter fan on existing projects.

Wiring and replacement are easier thanks to electrical connections through spring terminals for all the sizes (except GS10).



Kryos<sup>3</sup> can be easily installed without tools and screws thanks to the clips on the rear grid, that also give good grip between the grid and the cabinet.

## Certifications

Kryos<sup>3</sup> filter fans are certificated for North American market:



UL Certification for US market



CSA Certification for Canadian market

## Protection Degree

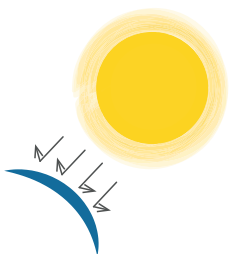
The new Kryos<sup>3</sup> filter fans assure protection against dust and splashing of water, with a IP54 protection degree (Type 12), certified by an external institution.

IP54  
Type 12

It is possible to install an additional filter that increases the protections degree to IP55 (optional from size 15), in order to be able to install Kryos<sup>3</sup> in more severe ambient conditions, without risks for the equipment inside the enclosures.

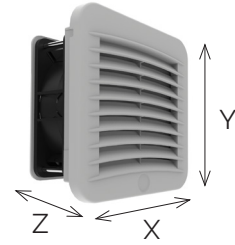
IP55

## UV Resistance



Kryos<sup>3</sup> are made in ABS Blend, material that guarantees resistance to deterioration caused by sunshine rays, extending the product life.

# Technical Data



## GSF

Size	UM	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

## GSV

Size	UM	10	15	20	2500	2501	3000	3001	3002
Air Flow	m <sup>3</sup> /h	35 (V <sub>AC</sub> ) 50 (V <sub>DC</sub> )	65	108	190 (V <sub>AC</sub> ) 230 (V <sub>DC</sub> )	270	500	700	850
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	75	98	118	99	139	135	160,5
Temperature Limits	°C	-10 / +70	-10 / +70	-10 / +70	-10 / +70	-10 / +60	-10 / +60	-25 / +50	-25 / +55 (+60 3~)

