LIGHT PROGRESS UV-REFLEX series

COLD STORAGE ROOM DISINFECTION, MADE PERFECT



UV-REFLEX-SCB



UV-REFLEX-C-WH

UV-REFLEX treats airborne bacteria and mold present in the air of cold rooms, using the constantly forced air circulation of the ventilation system

With powerful disinfecting action, microbes and spores are eliminated before entering into contact with foodstuff surfaces.

Reg. 2024/1141 "Dry-Aging"

Ensures full compliance with the specific measures for "Dry-Ageing" under Delegated Regulation (EU) No. 1141/2024, amending Reg. (EC) No. 853/2004

KEY PRODUCT FEATURES

- Made for the Task; this special form factor has been designed and developed to offer the best UV-C performance for cold room storage facilities.
- Increased Disinfection Performance, with High Output UV-C lamps (253,7 nm) and internal mirror bright aluminum reflector.
- Built to Last, with high-quality Stainless Steel AISI 304, all material are tested to resist UV.
- UV-C Where You Need, Directional honeycomb array directs UV-C rays right where they need to go.
- Protected, IP55 Rating, with UVLON™ shatterproof protective sleeve always included to prevent the release of glass fragments in the event of accidental lamp breakage
- Combine More Devices and ask our support to arrange the best application layout to built your customized disinfection solution using our dedicated software.
- Choose the Best Power Supply options, from a simple naked ballast to a separated control board available for advanced management of multiple lamps.









MODEL	UV-REFLEX-90H-C-WH	UV-REFLEX-40H-SC/B-NX	UV-REFLEX-90H-SC/B-NX
REPLACEMENT LAMP	n°1 CHS-90WHF-P	n°1 CHS-40WHF-P	n°1 CHS-90WHF-P
LAMP POWER	90 W	40 W	90 W
DIMENSIONS (WxHxD) (mm)	986 x 109 x 151	530 x 118 x 125	986 x 118 x 125
WEIGHT (kg)	5	2.5	4
COLD ROOM VOLUME TREATED (m^3)	60÷ 90	30 ÷ 40	60 ÷ 90
TREATED SURFACE (m^2)	15 ÷ 22	7 ÷ 10	15 ÷ 22
LAMP LIFE (hours)*	≤ 18.000		
PROTECTION RATING	IP20		
OP. TEMPERATURE ****	MIN. -15°C ÷ MAX. +40°C		
OP. RELATIVE HUMIDITY****	From 20 to max. 90%		
VAC | FREQUENCY	110-277 VAC | 50/60 Hz		
POWER SUPPLY OPTION	On-board power supply always included Optional control board available for the management of multiple devices.		
ELECTRICAL CONNECTION	Power supply cable 3x1mm^2, 2,5m length		

* Useful life can be substantially reduced by several environmental or technical factors

** Outside of these ranges, performance may not be optimal

POWER SUPPLY OPTIONS FOR PROFESSIONAL SYSTEMS

Lamp monitoring, connectivity and flexibility for customized applications.

OPTIONAL CONTROL BOARD “MASTER 16A” MULTI-LAMP MONITORING UNIT

The Control Board MASTER 16-A is a simple and accessible control unit for managing multiple UV-C devices in a single system.

- Multiple device solution: dedicated monitoring for up to 16 A
- Faulty lamp alarm: LED indicator
- Exhaust lamp alarm: LED indicator, with hour counter and digital display.
- IP20 protected: protected against solid objects larger than 12 mm
- Automatic Switch: turn on devices manually or with the embedded timer.

OPTIONAL CONTROL BOARD «MASTER-ST-AC» COMPLETE MULTI-LAMP MANAGEMENT SYSTEM

The Control Board “Master” is an advanced control and monitoring unit designed for multi-lamp UV-C systems, providing a digital display, operating hour counter with exhaust lamp alarm and synoptic layout.

- Multiple device solution: dedicated monitoring for up to 35 UV devices.
- Faulty lamp alarm: LED indicator and dry contact output to connect to existing control panels and BMS.
- Safety switch: low voltage input from existing control panels and BMS, switches off UV lamps when needed.
- IP66/67 protected: complete dust protection and powerful water jets.
- Exhaust lamp alarm: with hour counter, digital display, and dry contact output to connect to existing control panels and BMS.
- Synoptic layout: to monitor the status of each connected UV-C lamp





	CONTROL BOARD «MASTER-16»	CONTROL BOARD «MASTER-ST-AC»		
MAIN FEATURES				
MODEL	16-A	ST-AC/5-P-A	ST-AC/20-P-A	ST-AC/35-P-A
COMPATIBLE UVC DEVICE (W)	90			
CONTROL OF MULTIPLE DEVICES	up to 16 A	up to 5 devices	up to 20 devices	up to 35 devices
FAULTY LAMP ALARM	LED indicator	LED indicator Dry contact output * (up to 230V, 1A)		
EXHAUST LAMP ALARM	LED indicator	LED indicator Dry contact output * (up to 230V, 1A)		
LAMP LIFE HOUR COUNTER	Digital Display			
SAFETY INPUT contact from BMS or Safety System	Low voltage input			
SYNOPTIC SCHEME	-	LED indicator		
INSTALLATION Mounting options	Screws (not included)			
TECHNICAL FEATURES				
MODEL	16-A	ST-AC/5-P-A	ST-AC/20-P-A	ST-AC/35-P-A
ELECTRONIC CONTROL GEARS ON BOARD	-			
DIMENSIONS (mm) (W x H x D)	410x300x180	410x300x180	610x400x230	740x530x255
HOUSING MATERIAL	ABS	ABS with transparent cover		
OPERATING TEMPERATURE**	min. -15°C ÷ max. +40°C	min. -15°C ÷ max. +40°C		
PROTECTION	IP 20	IP 66/67		
V AC | FREQUENCY	230V or 110V 50/60 Hz			

* Dry contact output to be externally powered - to activate an external diagnostic system (BMS, MMS, SCADA, DCS, PLC)

** Outside of these ranges, performance may not be optimal



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