

1 ATEX CAT 3G Conformity Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: ExVeritas 26 ATEX 2341 X Issue: 0

4 Type: Refrigerators

Model: ExGuard

Variant: xx600W (see type key under item 15)

5 Manufacturer: Gram Scientific ApS

6 Address: Aage Grams Vej 1
6500 Vojens
Denmark

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to. The assessments are recorded in ExVeritas project file number EXV5958A.

8 The equipment has been assessed against the following Standards and found to comply:

EN IEC 60079-0: 2018

EN 60079-7:2015/A1:2018

EN 60079-11: 2012

9 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

10 This assessment is based on information and data supplied by the manufacturer. Information has been reviewed by ExVeritas as part of the conformity assessment process. Responsibility for the accuracy and completeness of this data remains with the manufacturer

11 The marking of the equipment shall include the following:

 II 3 G Ex ec ic IIB T4 Gc

On behalf of ExVeritas



Peter Lauritzen
Managing Director

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The certificate is only valid when it carries an original signature.

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Schedule

12

Description of Equipment or Protective System

The ExGuard 600W series are designed and manufactured for temperature-controlled storage of items potentially emitting noxious, malodorous and /or explosive atmospheres, where there is a risk that these atmospheres may pose a health hazard to the user and cabinet surroundings. It is designed for the temperature range from -2 °C to +20 °C.

In chemical refrigerators used for storage of various toxic chemicals, there is a risk that the chemicals are present as vapor in such high concentrations that they become hazardous for the end user. For this reason, the ExGuard 600W refrigerators have been fitted with an additional actuator and damper for connection to an external ventilation system that can remove these chemical vapours before a door opening, and this protects the user against unhealthy hazards.

Type variants covered by this certificate:

The ExGuard xx600W series can be delivered in several type variants with different kind of options and accessories. The basis versions is:

ExGuard ER600W, 230 V / 50 Hz

The type number system is specified to the following concept:

ExGuard xx600W yz ZZ

Where "ZZ" are defined in a sequence (no space in between) of the below listed equipment variants. (e.g. ExGuard ER600W CH 1020304165)

ExGuard xx 600W	
Temperature range	
RR	+2/+20°C
ER	-2/+20°C
RF	-25/-5°C
Refrigerant (x)	
H	R134A
	R404A (only outside EU)
G	R290
F	Prepared for external compressor
Exterior (y)	
C	Stainless Steel
L	White Lacquered
Equipment (ZZ)	
10	Solid door
11	Glass door
12	Customized door
15	RUKO lock (DK)
20	Right hinged incl. self-closing
21	Left hinged incl. self-closing
30	Wheels/castors 125 mm
31	Castors, 4 360° castors, 2 w/brakes
33	Wheels/castors 109 mm
35	Legs H=100/135 mm
36	Legs H=135/200 mm
37	Legs H=185/250 mm
38	Prepared for mounting on a plint
41	E-sensor
42	Customized sensor*
65	ExGuard – ATEX exhaust solution
70	Draught shield, hinged
78	Water cooled condenser (only HFC)

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79	Hybrid – water and fan cooled condenser
82	60 Hz compressor
..V	# of liquid containers incl. Holder
..P	# of perforated shelves
..T	# of wire shelves in stainless steel
..W	# of wire shelves in white plastic coating
..N	# of wire shelves in grey plastic coating
..R	# of stainless steel drawers 30Kg
..S	# of stainless steel drawers 40Kg
..J	# of drawers in stainless steel with transparent front 30 Kg
..K	# of drawers in stainless steel with transparent front 40 Kg
..C	# of divider sets in stainless

Specified ambient temperature:

+10 °C < Tamb < +38 °C with glass door

+10 °C < Tamb < +43 °C with massive door

Ingress Protection: IP 2X

13 Descriptive Documents

13.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
5958/A/1	2026-09-02	0	Initial issue of the Prime Certificate

13.2 Compliance Drawings:

Issue 0

Title:	Drawing No:	Issue:	Date:
Product Description	2026-06-04_Description_of_ExGuard_ER600W_Rev005	005	2026-06-04
Description of PE / bonding connections	2020-06-03_Ex18-2020_Bonding_ExGuard_Rev001	001	2020-06-03
Instructions for use	765042431-20260701_ExGuard_instructions_for_use-English-web		2026-07-01
Determination of temperature classes	2026-05-19_Ex70-2026_ExGuard_Temperature_class_determination_Rev001	001	2026-05-19

14 Conditions of Certification

14.1 Special Conditions for Safe Use

1. The power supply to the freezers are through a plug/socket connection on the electronic control box. The manufacturer delivers the belonging supply cable. The locking mechanism on the plug/socket connection must always be used. The supply cord/plug must only be connected in a non-hazardous area. If the freezers are electrically connected in a zone classified area, the supply cord must be connected in a terminal box complying with national installation requirements e.g. EN 60079-14.

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2. To secure potential equalization of the unit – the mounted external bonding/ground connector must be used in accordance with national installation requirements e.g. EN 60079-14.
3. The specified ambient temperature for "BioUltra" freezers are limited to: $+10\text{ }^{\circ}\text{C} < T_{\text{amb}} < +30\text{ }^{\circ}\text{C}$
4. The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1 (Indoor laboratories / Office environment).
5. Transient protection shall be provided that is set at a level not exceeding 140% of the peak rated voltage value at the supply terminals to the equipment.

14.2 Conditions of manufacture
(Routine Tests)

15 Essential Health and Safety Requirements

Essential Health and Safety Requirements are addressed by the standards listed in section 8 and where required the report listed in section 13.1

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