



1. ATEX Non-Electrical Conformity Certificate
2. Equipment intended for use in potentially explosive atmospheres - Directive 2014/34/EU
3. Certificate Number : ExVeritas 19 ATEX 0577 X
4. Equipment : Cabinet Vortex Coolers Types 1, 2, 3 & 4.
5. Manufacturer : Expo Technologies Limited
6. Address : Unit 2, The Summit, Hanworth Road, Sunbury on Thames, TW16 5DB
7. This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to. The examination and test results are recorded in confidential report no: EXV2164/A/1
9. Compliance has been assured by compliance with the standards, at their latest editions, listed below:
BS EN ISO 80079-36
10. ExVeritas takes no responsibility for the validity of any information or data supplied by the manufacturer on which parts of the ATEX assessment may be based upon.
11. The marking of this equipment or protective system shall include the following:

 II 2 G Ex h IIC T4 Gb T_{amb} -20 °C to +55 °C



No. 8613

On behalf of ExVeritas

Stephen D'Henin
Certification Manager

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

13. **Certificate Number**

ExVeritas 19 ATEX 0577 X

14. **Equipment Description**

The Expo Technologies Cabinet Vortex Cooler provides cooling for pressurized enclosures using compressed air. Cooling may be required either to remove heat generated by the contents of the enclosure and or to compensate for high ambient temperatures.

The Cabinet Vortex Coolers are of the following types:

Vortex Cooler Type	Electrical Rating	Model	Ingress Protection Rating
Type 1	110 Vac or 230 Vac or 24 Vdc	AVC-XXXX- XXX	IP40
Type 2	110 Vac or 230 Vac or 24 Vdc	AVC-XXXX- XXX	IP66
Type 3	110 Vac or 230 Vac or 24 Vdc	AVC-XXXX- XXX	IP66
Type 4	110 Vac or 230 Vac or 24 Vdc	AVC-XXXX- XXX	IP40

15. **Descriptive Documents**

15.1 **Associated Report and Certificate History:**

Report Number	Cert Issue Date	Issue	Comment
EXV2164/A/1	05.11.2019	0	Initial issue of the Prime Certificate

15.2 **Technical File number**

The technical file documents are held in Exveritas file number: TF2164

Certificate ExVeritas 19 ATEX 0577 X

Issue 0

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15.3 Compliance Drawings

Number	Issue	Description
SD8361	1	Type 1
SD8360	1	Type 2
SD8439	1	Type 3
SD8440	1	Type 4

16. Special conditions of Certification

- To avoid electrostatic charging steps must be taken to ensure the equipotential bonding is maintained between the cabinet vortex cooler, cabinet and earth.
- The cabinet vortex cooler control electronics shall either be placed in the safe area or protected by a suitable protection concept with the required ATEX Category for the area classification.
- The maximum inlet air pressure to the cabinet vortex cooler shall not exceed 7 Bar even under a fault condition.
- The maximum inlet air temperature shall not exceed + 55 °C.

17. Conditions of Certification

The Vortex Cooler shall include labelling with the following markings:

Manufacturer : Expo Technologies Limited
 Manufacturer's Address : Unit 2, The Summit, Hanworth Road, Sunbury on Thames, TW16 5DB
 Cabinet Vortex Cooler Type : Type X
 Electrical Rating : Max Volts: XXXVac/dc (controller)
 Coding :  II 2 G Ex h IIC T4 Gb T_{amb} -20 °C to +55 °C
 Serial Number : XXXX
 Year of Manufacture : XXXX
 Exveritas Certificate Number : ExVeritas 19 ATEX 0577 X

Notes:

- A label shall be attached on the enclosure at the vicinity of the vortex cooler showing Manufacturer, Manufacturer's address, vortex type, coding and certificate number.
- A label shall be attached to the vortex cooler showing the serial number, year of manufacture and the electrical rating.

17. Essential health and safety requirements

Covered by application of the standards listed in section 9 of this certificate and the assessment conducted in the test report listed in section 15.1 of this certificate.

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Issue 0

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