



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX SIR 11.0155X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 3 Issue 2 (2017-04-04)
Date of Issue: 2020-04-27 Issue 1 (2013-09-30)
Applicant: **Stolway Pty Ltd** Issue 0 (2012-07-16)
Warehouse 2
91-95 Montague St
Wollongong, NSW 2500
Australia
Equipment: **Type 'ST' Air Conditioning Units (HVAC) & Type 'ST' Water Chiller Units**
Optional accessory:
Type of Protection: **Flameproof, Increased Safety, Intrinsic Safety & Encapsulation**
Marking: **Ex II* T* Gb (Ta = -*°C to +*°C)**
Notes:
1.* The Equipment Group, Temperature Classification and ambient temperature range are determined by the schedule documents, dependant on items fitted
2. The marking that is shown is a typical example since the information that is applied to this equipment by the manufacturer depends upon the previously certified devices that are used in its construction and is specific to each unit; see the description of equipment and conditions of manufacture.
3. Compliance with the relevant standard relies on the fact that the devices used in the construction of this Equipment (see description in the certificate) are previously certified, IEC 60079-0 was referenced for guidance in respect of marking.

Approved for issue on behalf of the IECEx
Certification Body:

N Jones

Position:

Certification Manager

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

SIRA Certification Service
CSA Group
Unit 6, Hawarden Industrial Park
Hawarden, Deeside, CH5 3US
United Kingdom





IECEX Certificate of Conformity

Certificate No.: **IECEX SIR 11.0155X** Page 2 of 4

Date of issue: 2020-04-27 Issue No: 3

Manufacturer: **Stolway Pty Ltd**
Warehouse 2
91-95 Montague St
Wollongong, NSW 2500
Australia

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/SIR/ExTR12.0028/00](#)
[GB/SIR/ExTR20.0086/00](#)

[GB/SIR/ExTR13.0256/00](#)

[GB/SIR/ExTR17.0050/00](#)

Quality Assessment Report:

[AU/TSA/QAR06.0022/10](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX SIR 11.0155X**

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Date of issue: 2020-04-27

Issue No: 3

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Refer to the ANNEXE for the Equipment description and Conditions of Manufacture.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to the ANNEXE for the Specific Conditions Of Use.



IECEX Certificate of Conformity

Certificate No.: **IECEX SIR 11.0155X**

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Date of issue: 2020-04-27

Issue No: 3

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

This issue, Issue 3, recognises the following change; refer to the certificate annex to view a comprehensive history:

1. The Applicant's and Certificate holders address was changed from 9 Charcoal Close Unanderra 2526 Australia to Warehouse 2 91-95 Montague St Wollongong NSW 2500 Australia.

Annex:

[IECEX SIR 11.0155X Issue 3 Annexe.pdf](#)

Annexe to: IECEx SIR 11.0155X Issue 3

Applicant: Stolway Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



The Type 'ST' Air Conditioning Units and Type 'ST' Water Chiller Units incorporate devices that have been previously certified using appropriate standards (refer to the certificate associated with each device); the suitability of the interconnection of the devices has been assured using the relevant code of practice. Listed below are the devices that are used in the construction of the Air Conditioning and Water Chiller Units.

Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Compressor assembly	IECEX SIR 07.0095	Ex d	IIB + H2	T3 or T4	-20 to +60°C
Heater assembly	IECEX SIR 10.0022X	Ex e	IIC	T3 or T5	-40 to +55°C or -40 to +44°C
Solenoid (Refrigeration)	IECEX TSA 07.0060X	Ex ma Ex mb	IIC IIC	T4 T4	-40 to +60°C -40 to +60°C
Motor	IECEX TSA 06.0034X	Ex e	II	T3	-20 to +50°C -20 to +60°C
Motor	IECEX TSA 06.0035X	Ex e	II	T3	-20 to +50°C -20 to +60°C
Motor	IECEX CES 09.0007	Ex d Ex de	IIC	T4 or T3	-20 to +60°C
Motor	IECEX CES 10.0014	Ex d Ex de	IIC	T6, T5, T4 or T3①	-20 to +60°C
Motor	IECEX CES 10.0015	EEx d or EEx de	IIB	T6, T5, T4 or T3②	-20 to +80°C -20 to +60°C
Motor	IECEX CES 10.0023X	Exd	IIB	T6, T5, T4 or T3	-20 to +80°C
Electrical enclosure	IECEX BKI 06.0009	Ex d Ex d [ia/ib]	IIB + H2	T6, T5, T4 or T3	Refer to certificate
Electrical enclosure	IECEX BKI 09.0005	Ex d Ex d [ia]	IIB + H2	T6, T5, T4 or T3	Refer to certificate
Electrical enclosure	IECEX KEM 07.0051X	Ex d	IIB + H2 IIB	T6...T4 T6...T4	-20 to +60°C -55 to +60°C
Junction boxes	IECEX SIR 06.0074	Ex e Ex ia	II IIC	T6, T5, T4 or T3	Refer to certificate
Junction boxes	IECEX SIR 06.0106X	Ex e Ex ia	II IIC	T6, T5, T4	Refer to certificate
Junction boxes	IECEX PTB 06.0060	Ex d e ia/ib	IIC, IIB, IIA	T6, T5, T4	Refer to certificate
Junction boxes	IECEX PTB 09.0048	Ex d e ia/ib	IIC, IIB, IIA	T6, T5, T4	Refer to certificate
Junction boxes	IECEX PTB 06.0046	Ex d e ia/ib	IIC/IIB/IIA	T6, T5, T4	Refer to certificate
Cable glands	IECEX BAS 06.0013X	Ex d Ex e	IIC	N/A	-60 to +80°C
Cable glands	IECEX BAS 06.0014X	Ex d Ex e	IIC	N/A	-60 to +80°C
Cable glands	IECEX BAS 06.0015X	Ex d Ex e	IIC	N/A	-60 to +80°C
Cable glands	IECEX SIR 07.0005X	Ex d Ex e	IIC II	N/A	-60 to +130°C
Cable glands	IECEX SIR 06.0039X	Ex d Ex e	IIC II	N/A	-60 to +130°C
Cable glands	IECEX SIR 06.0044X	Ex d Ex e	IIC II	N/A	-60 to +85°C

Date: 27 April 2020

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Form 9530 Issue 1

Sira Certification Service

Unit 6 Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom

Tel: +44 (0) 1244 670900
Email: ukinfo@csagroup.org
Web: www.csagroupuk.org

Annexe to: IECEx SIR 11.0155X Issue 3

Applicant: Stolway Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Cable glands	IECEX SIR10.0094X	Ex d Ex e	IIC	N/A	-60 to +85°C
Cable glands	IECEX BAS 06.0059X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Plugs/Reducers	IECEX BAS 07.0001X	Ex d Ex e	IIC II	N/A	-
Plugs/Reducers	IECEX SIR 09.0032U	Ex d Ex e	IIC	N/A	Refer to certificate
Plugs/Reducers	IECEX SIR 05.0042U	Ex d Ex e	IIC	N/A	Refer to certificate
Plugs/Reducers	IECEX SIR 07.0056X	Ex d Ex e	IIC II	N/A	Refer to certificate
IS barrier	IECEX BAS 06.0025	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	IECEX PTB 11.0031	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	IECEX TUN 07.0003	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	IECEX BAS 07.0067	[Ex ia Ga]	IIC	N/A	-20 to +60°C
IS barrier	IECEX IBE 10.0004X	[Ex ia] Ex nAC	IIC	T4	-20 to +65°C
IS barrier	IECEX IBE 10.0002X	[Ex ia] Ex nAC	IIC	T4	-20 to +60°C
Self-regulated heating cable	IECEX UL 06.0013	Ex e	II	T5 or T6	-60 to +55°C

- ① The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/E/0610/C annexed to the IECEx certificate.
- ② The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/E/0610/B annexed to the IECEx certificate.

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Annexe to: IECEx SIR 11.0155X Issue 3

Applicant: Stolway Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Issue 1 - The following table lists the introduction of additional IECEx devices and amendment of the Item description (*) on a number of previously listed devices that are used in the construction the Air Conditioning and Water Chiller Units:

Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Solenoid	IECEX PTB 04.0002X	Ex mb	IIC	T6, T5 or T4	Refer to certificate
Motor	IECEX BAS 08.0096X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX BAS 08.0097X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX BAS 08.0100X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX BAS 08.0101X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX BAS 09.0066X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX BAS 09.0067X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX TSA 10.0007X	Ex d	IIB	T4 or T5	-20 to +40°C
Motor	IECEX TSA 11.0057X	Ex d	IIC	T*	-55 to +60°C
Motor	IECEX TSA 12.0018X	Ex e	IIC	T3	-20 to +40°C
Motor	IECEX CES 11.0014X	Ex d	IIC	T6, T5, T4 or T3	-20 to +60°C
Electrical enclosure	IECEX BKI 11.0010	Ex db Ex db [ia] Ex db [ib]	IIC	T6...T3	Refer to certificate
Electrical enclosure	IECEX SIM 03.0000X	Ex d	IIB+H2	T6 or T5	Refer to certificate
Electrical enclosure	IECEX TSA 06.0011	Ex d Ex d [ia]	IIB+H2	Refer to certificate	Refer to certificate
Electrical enclosure	IECEX TSA 06.0012	Ex d	IIC	T6 or T5	Refer to certificate
Junction box / Enclosure *	IECEX SIR 06.0074	Ex e Ex ia	II IIC	T6, T5, T4 or T3	Refer to certificate
Junction box / Enclosure *	IECEX SIR 06.0106X	Ex e Ex ia	II IIC	T6, T5, T4	Refer to certificate
Junction box / Enclosure	IECEX INE 11.0016	Ex d e ia/ib ib mb	IIC	T6, T5 or T4	Refer to certificate
Junction box / Enclosure	IECEX ITA 08.0005X	Ex e	IIC	T6	-20 to +40°C
Junction box / Enclosure	IECEX ITA 08.0006X	Ex e	IIC	T6	-20 to +40°C
Junction box / Enclosure	IECEX KEM 10.0019	Ex eb Ex ia Ex eb ia	IIC	T6...T4	Refer to certificate
Junction box / Enclosure *	IECEX PTB 06.0060	Ex d e ia/ib	IIC, IIB, IIA	T6, T5, T4	Refer to certificate
Junction box / Enclosure *	IECEX PTB 09.0048	Ex d e ia/ib	IIC, IIB, IIA	T6, T5, T4	Refer to certificate
Junction box / Enclosure *	IECEX PTB 06.0046	Ex d e ia/ib	IIC/IIB/IIA	T6, T5, T4	Refer to certificate
Junction box / Enclosure	IECEX PTB 06.0026	Ex e mb Ex ia ib [ia]	IIC IIC/IIB/IIA	T6, T5, T4	Refer to certificate
Junction box / Enclosure	IECEX SIM 09.0001X	Ex e	II IIC	T6, T5 or T4	Refer to certificate

Annexe to: IECEx SIR 11.0155X Issue 3

Applicant: Stolway Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Junction box / Enclosure	IECEX TSA 10.0011	Ex e	II	T6 or T5	Refer to certificate
Plug / Reducer / Accessory •	IECEX BAS 07.0001X	Ex d Ex e	IIC II	N/A	-
Plug / Reducer / Accessory	IECEX ITS 13.0018U	Ex d Ex e	II IIC	N/A	Refer to certificate
Plug / Reducer / Accessory	IECEX SIM 07.0003U	Ex d Ex e	IIB+H2 IIC	N/A	-20 to +40°C
Plug / Reducer / Accessory •	IECEX SIR 09.0032U	Ex d Ex e	IIC	N/A	Refer to certificate
Plug / Reducer / Accessory •	IECEX SIR 05.0042U	Ex d Ex e	IIC	N/A	Refer to certificate
Plug / Reducer / Accessory	IECEX SIR 07.0052X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plug / Reducer / Accessory •	IECEX SIR 07.0056X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plug / Reducer / Accessory	IECEX SIR 08.0127U	Ex e Ex d	IIC	N/A	Refer to certificate
IS barrier	IECEX IBE 08.0001X	[Ex ia] Ex nA nC	IIC	T4	-20 to +60°C

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Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Issue 2 – the equipment that is permitted for installation under IECEx 11.0155X has been updated as follows:

Certificate	Standard Edition	Description	Ex Marking
IECEx SIR 07.0095	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2003 (Ed 5.0)	Compressor Assembly	Ex d IIB+H2 IP66 T4 (Ta= -20 to +60°C)
IECEx SIR 10.0022X	IEC 60079-0:2007-10 (Ed 5.0) IEC 60079-7:2006-07 (Ed 4.0)	Heating Element Assembly	Ex e IIC T3 Gb (Ta = -40°C to +55°C) Ex e IIC T5 Gb (Ta = -40°C to +44°C)
IECEx TSA 07.0060X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-18:2004 (Ed 2.0)	Solenoid Coil	Ex ma IIC T4 (Ta=60 degC) IP66 (for types SX024DC and SX024DC(CS)) or Ex mb IIC T4 (Ta=60 degC) IP66 (for types SX110AC and SX230AC) Ta = -40 to +60 degC Ui = 26.4VDC (SX024DC and SX024DC(CS)) or Um = 132VAC 50/60Hz (SX120AC) or 250VAC 50/60Hz (SX230AC)
IECEx PTB 04.0002X	IEC 60079-0:2007-10 (Ed 5) IEC 60079-18:2009 (Ed 3)	Solenoid, type 0515..and type 1215	Ex mb IIC T6, T5, T4 Ex mb tb IIIC T80°C, T95°C, T130°C IP65
IECEx LCI 06.0004X	IEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6) IEC 60079-18:2009 (Ed 3)	Electrovalves - Type : .../495900... or .../495905...	Ex d mb IIC T* Gb
IECEx PTB 05.0006X	IEC 60079-0:2007-10 (Ed 5) IEC 60079-18:2009 (Ed 3)	Solenoid operator, Type 0513, 1213, 0514 and 1214	Ex mb IIC T5,T4 and Ex mb tb IIIC T95°C, T130°C or Ex mb IIC T5,T4 Gb and Ex mb tb IIIC T95°C, T130°C Db
IECEx BAS 08.0096X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	A Low Voltage A.C. Motor Frame Size 80 and 90	Ex de IIC T4 (Tamb -20°C to +50°C) see schedule
IECEx BAS 08.0097X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	A Low Voltage A.C. Motor Frame Size 100 and 112	Ex de IIC T4 (Tamb -20°C to +50°C) see schedule
IECEx BAS 08.0100X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6)	A Low Voltage A.C. Motor Frame Size 100 and 112	Ex d IIB T4 (-20°C to +50°C) see schedule
IECEx BAS 08.0101X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6)	Low Voltage A.C. Motor Frame Sizes 80 and 90	Ex d IIB T4 (-20°C to +50°C) see schedule
IECEx BAS 09.0066X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6)	Low Voltage A.C. Motor Frame Size 132	Ex d IIB T4 (-20°C to +50°C) see schedule
IECEx BAS 09.0067X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	A Low Voltage A.C. Motor Frame Size 132	Ex de IIC T4 (Tamb -20°C to +50°C) see schedule
IECEx TSA 10.0007X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6)	Range of HPD Flameproof Induction Motor frames Size 80 to 315	Ex d I Mb, Ex d IIB T4* Gb
IECEx TSA 11.0057X	IEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6)	Three phase explosion proof motors Frame sizes CD80, CD90,CD100, CD112,CD132, CD160, CD225, CD250, CD280 and CD 315	Exd I T* Mb Exd IIC T* Gb -55 °C < T amb < +60 °C
IECEx TSA 12.0018X	IEC 60079-0:2007-10 (Ed 5) IEC 60079-7:2006-07 (Ed 4) IEC 60079-15:2010 (Ed 4)	Range of Squirrel Cage Induction Motor Frames 71 to 250	Ex e IIC T3 @ (tamb.)40Gb Ex nA IIC T3 @ (Tamb.)40,Gc
IECEx CES 10.0023X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6)	Three-phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK 112, MAK 132, MAK160	Exd IIB T6, T5, T4, T3 Gb

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Annexe to: IECEx SIR 11.0155X Issue 3

Applicant: Stolway Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Standard Edition	Description	Ex Marking
IECEx CES 11.0014X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6)	Three-phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK 112, MAK 132, MAK160	Exd IIC T6, T5, T4, T3 Gb
IECEx BAS 14.0009X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-7:2006-07 (Ed 4)	Range of SGA induction motor of frames 71 to 315 and range of HGA induction motor of frames 80-280	Ex e IIC T3 Gb Tamb (-20°C to +40°C (Optionally +50°C)
IECEx EXA 16.0006X	IEC 60079-0:2011 (Ed 6.0) IEC60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	Three-phase and single phase motors, brake motors	Ex d IIC/IIB T3...T4...T5...T6 Gb or Ex d e IIC/IIB T3...T4...T5...T6 Gb
IECEx BVS 13.0121X	IEC 60079-0:2011 (Ed 6.0) IEC60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	Flameproof electric motors 4KT** ***/*	Ex d IIC T* Gb or Ex de IIC T* Gb or Ex d IIB T* Gb or Ex de IIB T* Gb or
IECEx BKI 11.0010	IEC 60079-0:2007-10 (Ed 5) IEC60079-1:2007-04 (Ed 6) IEC 60079-11:2006 (Ed 5)	Power-signal-control unit and terminal board family	Refer to point 3.1. and 3.4 in Addendum to IECEx BKI 11.0010
IECEx TSA 06.0011	IEC 60079-0:2004 (Ed 4) IEC60079-0:2007-10 (Ed 5) IEC 60079-0:2011 (Ed 6) IEC 60079-1:2007-04 (Ed 6) IEC 60079-11:2006 (Ed 5)	CCFE/EJB Series of Command, Control and Signalling Units	Ex d [ia Ma] I Mb - 20 °C ≤ Ta ≤ 55 °C * (stainless steel enclosures only) Ex d [ia Ga] IIB + H2 Gb T* - 20 °C ≤ Ta ≤ 55 °C *
IECEx TSA 06.0012	IEC 60079-0:2011 (Ed 6) IEC60079-1:2007-04 (Ed 6) IEC 60079-11:2006 (Ed 5) IEC 60079-11:2011 (Ed 6)	CCA and GUB series of Command, Control and Signalling Enclosures	Ex d [ia Ma] I Mb T* - 20 °C ≤ Ta ≤ 55 °C * (stainless steel enclosures only) Ex d [ia Ga] IIC Gb T*
IECEx DEK 13.0075	IEC60079-0:2007-10 (Ed 5) IEC 60079-0:2011 (Ed 6) IEC 60079-1:2007-04 (Ed 6) IEC60079-2:2007-02 (Ed 5) IEC60079-5:2007-03 (Ed 3) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2006 (Ed 5) IEC 60079-18:2009 (Ed 3) IEC 60079-28:2006-08 (Ed 1)	Control/Distribution panels series BARTEC B/C/D/E and BARTEC B/C/D/E assembly	Ex d ... IIB + H2 T6 ... T3 Gb Ex d ... IIC T6 ... T3 Gb Ex e ... IIB / IIC T6 ... T3 Gb
IECEx INE 13.0070X	IEC 60079-0:2011 (Ed 6.0) IEC60079-1:2014-06 (Ed 7.0) IEC 60079-11:2011 (Ed 6.0)	Enclosures type EJB...	Exd IIB+H2 T6 or T5 or T4 or T3 Gb Exd [ia IIA or IIB or IIC Ga] IIB+H2 T6 or T5 or T4 or T3 Gb Exd [ib IIA or IIB or IIC] IIB+H2 T6 or T5 or T4 or T3 Gb
IECEx INE 13.0078X	IEC 60079-0:2011 (Ed 6.0) IEC60079-1:2014-06 (Ed 7.0) IEC 60079-11:2011 (Ed 6.0)	Enclosures type EJB...	Exd IIB+H2 T6 or T5 or T4 or T3 Gb Exd [ia IIA or IIB or IIC Ga] IIB+H2 T6 or T5 or T4 or T3 Gb Exd [ib IIA or IIB or IIC] IIB+H2 T6 or T5 or T4 or T3 Gb
IECEx INE 14.0029X	IEC 60079-0:2011 (Ed 6.0) IEC60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2011 (Ed 6.0) IEC 60079-28:2006-08 (Ed1)	Enclosures type EJB***/EJBX***/	Exd (*) IIA or IIB or IIB+H2 T6 or T4 or T3 Gb
IECEx IMQ 14.0010X	IEC 60079-0:2011 (Ed 6.0) IEC60079-1:2014-06 (Ed 7.0) IEC 60079-11:2011 (Ed 6.0)	Enclosures with operator and control station series EJB ****	Ex db IIB+H2 T4/T5/T6 Gb Ex db [ia Ga] IIB+H2 T4/T5/T6 Gb Ex db [ib Gb] IIB+H2 T4/T5/T6 Gb
IECEx SIR 06.0074	IEC 60079-0:2004 (Ed 4.0) IEC60079-0:2007-10 (Ed 5) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2006 (Ed 5)	Terminal Boxes	Ex ia IIC T* Ga (Ta = -***°C to +***°C) Ex e II T* Gb (Ta = -***°C to +***°C)
IECEx SIR 06.0106X	IEC 60079-0:2004 (Ed 4.0) IEC60079-0:2007-10 (Ed 5) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2006 (Ed 5)	The GL range of terminal enclosures	Ex ia IIC T* Ga (Ta = -***°C to +***°C) Ex e II T* Gb (Ta = -***°C to +***°C)

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Annexe to: IECEx SIR 11.0155X Issue 3

Applicant: Stolway Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Standard Edition	Description	Ex Marking
IECEx PTB 06.0060	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2006 (Ed 5) IEC 60079-18:2009 (Ed 3)	Terminal box, type 8125/1***.*** and 8125/2***.***	Ex d e ia ib [ia Ga] mb IIA, IIB, IIC T6, T5, T4 Gb or Ex db eb ia ib [ia] mb IIA, IIB, IIC T6, T5, T4
IECEx PTB 09.0048	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2006 (Ed 5) IEC 60079-18:2004 (Ed 2.0)	Terminal Box Type 8150/1- ****.****.***.**** and 8150/2-****.****.***.****	Ex d e ia ib mb IIC, IIB, IIA T6, T5, T4 Gb or Ex db eb ia ib mb IIC, IIB, IIA T6, T5, T4 Gb
IECEx PTB 06.0046	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2006 (Ed 5) IEC 60079-18:2009 (Ed 3)	Terminal box, type 8146/1***.*** and 8146/2***.***	Ex d e ia ib [ia Ga] mb IIA, IIB, IIC T6, T5, T4 Gb or Ex db eb ia ib [ia] mb IIA, IIB, IIC T6, T5, T4
IECEx PTB 06.0026	IEC 60079-0:2011 (Ed 6.0) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2006 (Ed 5) IEC 60079-18:2009 (Ed 3)	Junction and Terminal Boxes Type 8118/****.***	Ex e mb IIC T6, T5, T4 Gb or Ex eb mb IIC T6, T5, T4 Ex ia ib[ia Ga] IIA, IIB, IIC T6, T5, T4 Gb or Ex ia ib[ia] IIA, IIB, IIC T6, T5, T4
IECEx SIM 09.0001X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-7:2006-07 (Ed 4)	GOVAN brand - ES/DS & EM/DM Range of Junction Boxes and Control Stations	Refer Annex of certificate IECEx SIM 09.0001X
IECEx TSA 10.0011	IEC 60079-0:2004 (Ed 4.0) IEC 60079-7:2006-07 (Ed 4)	Increased Safety Junction Boxes, Series SA... and SA.../SS	Ex e II IP * T6, or Ex e II IP * T5 -20 °C ≤ Ta ≤ +55 °C *
IECEx SIM 08.0018X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-7:2006-07 (Ed 4)	GOVAN brand - EP/DP Range of Junction Boxes & Control Stations	Refer Annex od certificate IECEx SIM 08.0018X
IECEx CES 13.0001	IEC 60079-0:2011 (Ed 6.0) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2011 (Ed 6.0)	Terminal boxes, series CTB, CSTB and SA	Ex e IIC T6 or T5 Gb Ex ia IIC T6 or T5 Gb Ex e ia IIC T6 or T5 Gb
IECEx BAS 06.0013X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2014-06 (Ed 7.0) IEC 60079-7:2015 (Ed 5.0)	A Range of Compression Type Cable Glands	Ex d IIC Ex e IIC Gb (-60°C ≤ ta ≤ +80°C) see schedule
IECEx BAS 06.0014X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2014-06 (Ed 7.0) IEC 60079-7:2015 (Ed 5.0) IEC 60079-15:2010 (Ed 4)	Type 501/453 UNIV Cable Glands	Ex db IIC Gb Ex e IIC Gb Ex nR IIC Gc (-60°C ≤ ta ≤ +80°C)
IECEx BAS 06.0015X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2014-06 (Ed 7.0) IEC 60079-7:2015 (Ed 5.0)	A range of Barrier Type Cable Glands	Ex d IIC Ex e IIC Gb (-60°C ≤ ta ≤ +80°C)
IECEx BAS 06.0059X	IEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	A Type HA* Barrier Gland	Ex d IIC Ex e IIC Gb Ta -60°C to +80°C
IECEx SIR 13.0023X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) IEC 60079-15:2010 (Ed 4)	Cable Gland Types A**	Ex e I Mb Ex d I Mb Ex e IIC Gb Ex d IIC Gb Ex nR IIC Gc
IECEx SIR 13.0026X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) IEC 60079-15:2010 (Ed 4)	Cable Gland Types E**	Ex e I Mb Ex d I Mb Ex e IIC Gb Ex d IIC Gb Ex nR IIC Gc Ta -60°C to +130°C Ta -20°C to +200°C

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Annexe to: IECEx SIR 11.0155X Issue 3

Applicant: Stolway Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Standard Edition	Description	Ex Marking
IECEx SIR 13.0027X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) IEC 60079-15:2010 (Ed 4)	Cable Gland Types PX**	Ex e I Mb Ex d I Mb Ex e IIC Gb Ex d IIC Gb Ex nR IIC Gc Ta -60°C to +85°C
IECEx SIR 13.0028X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) IEC 60079-15:2010 (Ed 4)	Cable Gland Types Triton T3** and TE**	Ex e I Mb Ex d I Mb Ex e IIC Gb Ex d IIC Gb Ex nR IIC Gc Ta -60°C to +130°C (When fitted with standard seal) Ta -20°C to +200°C (When fitted with high temperature seal)
IECEx SIR 10.0094X	IEC 60079-0:2007 (Ed 5) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	PXFC and PXFC-LTPB Barrier Glands for Flexible Conduit	Ex d IIC Gb Ex e IIC Gb Ex d IIC Gb Ex e IIC Gb
IECEx BAS 07.0001X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2003 (Ed 5) IEC 60079-7:2001 (Ed 3)	A Range of Thread Adaptors	Ex d IIC Ex e II IP6X
IECEx SIR 13.0094X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	Type 737,747, 757, 767 and 797 ranges of adaptors, reducers and stopping plugs	Ex d I Mb / Ex e I Mb Ex d IIC Gb / Ex e IIC Gb Ex e IIC Gb
IECEx ITS 13.0018X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	CT Breather Drain	Ex d I/IIC Mb/Gb Ex e I/IIC Mb/Gb
IECEx SIR 09.0096X	IEC 60079-0:2007-10 (Ed 5) IEC 60079-7:2006-07 (Ed 4)	Breather Drain Type CV	Ex e I/IIC Mb/Gb Ex e I/IIC Gb
IECEx CES 15.0006X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	Adaptors and plugs series AD.RE..., AD.EN..., AD.FF..., AD.MM..., SP.MD..	Ex d IIC Gb Ex e IIC Gb
IECEx BAS 06.0025	IEC 60079-0:2007-10 (Ed 5) IEC 60079-11:2006 (Ed 5) IEC 60079-26:2004 (Ed 1)	Type KCD2-SR-Ex*.* Switch Amplifier	[Ex ia Ga] IIC [Ex ia Ma] I -20°C ≤ Ta ≤ +60°C
IECEx PTB 11.0031	IEC 60079-0:2011 (Ed 6.0) IEC 60079-11:2011 (Ed 6.0)	Isolation switching amplifier type K"A"-SR"-Ex".W."	[Ex ia Ga] IIC [Ex ia Ma] I
IECEx TUN 07.0003	IEC 60079-0:2011 (Ed 6.0) IEC 60079-11:2011 (Ed 6.0)	Universal Temperature Module Type KFD2-UT2-Ex*.*	[Zone 0] [Ex ia] IIC and [Ex ia] I
IECEx IBE 08.0001X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-11:2011 (Ed 6.0) IEC 60079-15:2010 (Ed 4)	NAMUR Isolating Amplifier MACX MCR-EX-SL-*	[Ex ia Ga] IIC Ex nA nC IIC T4 Gc
IECEx IBE 10.0004X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-11:2011 (Ed 6.0) IEC 60079-15:2010 (Ed 4)	NAMUR Isolating Amplifier Type MACX-MCR/PL-EX-T-U(REL)-UP(-SP)	[Ex ia Ga] IIC Ex nA nC IIC T4 Gc
IECEx IBE 10.0002X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-11:2011 (Ed 6.0) IEC 60079-15:2010 (Ed 4)	Isolating Amplifier MACX MCR-EX-SL-xNAM-yR-UP(-SP)	[Ex ia Ga] IIC Ex nA nC IIC T4 Gc
IECEx BVS 12.0050X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-11:2011 (Ed 6.0) IEC 60079-15:2010 (Ed 4)	Temperatuer Converter type D5072*, D5072-*, D5072S-087, D5273S, D5273S-*	Ex nA [ia Ga] IIC T4 Gc, [Ex ia Ma] I, Ex nA nC [ia Ga] IIC T4 Gc
IECEx BVS 10.0072X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-15:2010 (Ed 4)	DIN Rail Isolator (extention: Relay Output, Switch/Proximity Detector repeaters) type D5****, D5****-xxx (extention: D5090S-086, D5036*.* / D5037*.-*)	Ex nA [ia Ga] IIC T4 Gc, [Ex ia Ma] I, Ex nA nC [ia Ga] IIC T4 Gc

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Annexe to: IECEx SIR 11.0155X Issue 3

Applicant: Stolway Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Standard Edition	Description	Ex Marking
IECEX UL 06.0013	IEC 60079-0:2004 (Ed 4.0) IEC 60079-7:2001 (Ed 3) IEC 62086-1:2001	BSX- 3-1, 5-1, 8-1, 10-1, 3-2, 5-2, 8-2, 10-2	Ex e II T5 or T6 -60°C ≤ Tamb ≤ +55°C
IECEX FMG 13.0020	IEC 60079-0:2011(Ed 6.0) IEC 60079-30-1:2007-01 (Ed 1)	BSX Self regulating Trace Heaters	Ex eb IIC T6...T5, -60°C to +55°C
IECEX PTB 07.0057X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2003 (Ed 5) IEC 60079-11:2006 (Ed 5)	Actuator model S, type EX MAX.../...	Ex d [ia] IIC T6, T5 and T4

Conditions of Manufacture

The Manufacturer shall comply with the following:

1. The marking, ambient temperature range, group, category, safety description, relevant electrical safety parameters and warnings will be included in the marking. The most onerous values shall take precedence.
2. This certificate relies on previously certified products. When they are used as part of this equipment, they shall still be covered by their original certificates.
3. The manufacturer shall ensure that any blanking elements or cable glands fitted have suitable service temperatures, when considering all equipment fitted and conditions on certificates.
4. The manufacturer shall take all reasonable steps to ensure that the user/installer complies with the special conditions for certification associated with the equipment. In addition, the manufacturer shall provide the user/installer with an appropriate copy of the certificate for each certified device that is fitted in the equipment.
5. The assembly manufacturer shall address the relevant conditions of use in the permitted Ex equipment certificates as specified in schedule document 60107-STD-EL-SC-321 for installation according to IECEx SIR 11.0155X.

Specific Conditions Of Use

The user/installer shall install, operate and maintain this equipment taking into account any restrictions or Specific Conditions Of Use that are applicable to previously certified devices that are listed in the following table:

Certificate	Specific Conditions Of Use
IECEX TSA 07.0060X	The following input parameters shall be taken into account during installation: Type SX024DC: $U_i = 26.4$ V d.c. Type SX024DC(CS): $U_i = 26.4$ V d.c Type SX110AC: $U_m = 132$ V rms Type SX230AC: $U_m = 250$ V rms
IECEX LCI 06.0004X	Ambient temperature range: $-40^\circ\text{C} \leq T_{amb} \leq +80^\circ\text{C}$
IECEX BAS 08.0096X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 898-1 When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.
IECEX BAS 08.0097X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 898-1

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Annexe to: IECEx SIR 11.0155X Issue 3

Applicant: Stolway Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Specific Conditions Of Use
IECEX BAS 08.0097X	When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.
IECEX BAS 08.0100X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 898-1 When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.
IECEX BAS 08.0101X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 898-1 When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.
IECEX BAS 09.0066X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with SAE 1008 standard When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.
IECEX BAS 09.0067X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with SAE 1008 standard The cable glands when installed in the increased safety terminal must provide a minimum of IP54 level of ingress protection. When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.
IECEX TSA 10.0007X	The flame path dimensions are detailed in IECEx test report AU/TSA/ExTR10.0014/00 Attachment A and shall comply with the manufacturer's drawings listed below
IECEX TSA 11.0057X	The flameproof joints parameters shall be in accordance with the manufacturer drawings list. It is a condition of safe use that the operation of motor with drain holes is only allowed with drain holes screws in place and correctly tightened.
IECEX CES 10.0023X	The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted.
IECEX CES 11.0014X	The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted.
IECEX BAS 14.0009X	The equipment may present a potential electrostatic charging hazard; the user instructions shall be followed in order to minimise the risk of electrostatic discharge

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Annexe to: IECEx SIR 11.0155X Issue 3

Applicant: Stolway Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Specific Conditions Of Use
IECEx EXA 16.0006X	The flame paths are specified on the manufacturer's drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted.
	In special cases the suitable paint system is not in compliance to thickness limit indicated for gas group IIC. In order to minimize risk of hazards caused by electrostatic charges, clean motor only with a wet rag or by non-frictional means.
IECEx BVS 13.0121X	The lengths of the flameproof joints are in parts longer and the gaps of the flameproof joints are in parts smaller than the values of table 2 of IEC 60079-1:2007. For information of the dimensions of the flameproof joints contact the manufacturer.
	Fasteners with a minimum yield stress of 640N/mm ² must be used for the closing of the flameproof enclosure
IECEx BKI 11.0010	The enclosure(s) must not open or dismantle while it is energised
IECEx INE 13.0070X	The width of flameproof joints is superior to those specified in Tables of IEC 60079-1 Standard
	During the installation, the user will take into consideration that pilot light type EFL*PC* underwent only a shock corresponding to an energy of a low risk of 2J
	During the installation, the user will take into consideration that the windows of the enclosure underwent only a shock corresponding to an energy of a low risk of 2J
IECEx INE 13.0078X	The width of flameproof joints is superior to those specified in Tables of IEC 60079-1 Standard
	During the installation, the user will take into consideration that pilot light type EFL*PC* underwent only a shock corresponding to an energy of a low risk of 2J
	During the installation, the user will take into consideration that the windows of the enclosure underwent only a shock corresponding to an energy of a low risk of 2J
IECEx INE 14.0029X	The width of flameproof joints is superior to those specified in Tables of IEC 60079-1 Standard
IECEx IMQ 14.0010X	For enclosures EJB..A and EJB..S: the length L of flanged joints is greater than dimensions listed in EN 60079-1:2014 standard: 32,20/42,20/52,20 mm versus 25 mm.
	For operators the length L of joints is greater than dimensions listed in EN 60079-1:2014 standard, as follows: <ul style="list-style-type: none">• UPB2 actual 25,5 mm vs 25 mm• UPBL actual 29 mm vs 25 mm• UHLB and UHB: actual 35 mm vs 25 mm• UHS actual 32 mm vs 25 mm• UVD actual 27 mm vs 25 mm• UVB actual 28 mm vs 25 mm
IECEx SIR 06.0074	Intrinsically safe and non-intrinsically safe circuits which are fitted within the same enclosure shall be separated as required by IEC 60079-14.

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Annexe to: IECEx SIR 11.0155X Issue 3

Applicant: Stolway Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Specific Conditions Of Use
IECEx SIR 06.0106X	Intrinsically safe and non-intrinsically safe circuits fitted within the same enclosure shall be separated as required by EN 60079-14
IECEx PTB 06.0060	For the maximum number of conductors, which for each size of enclosure is determined by the cross section and the admissible continuous current, reference is made to the specification sheets.
	Equipment of the type of protection Intrinsic Safety "i" shall be installed in such a way that the clearances and creepage distances between intrinsically safe and non-intrinsically safe circuits as set forth in IEC 60079-14 are duly accounted for.
	Only such – separately certified – built-in and built-in parts, suitable for these temperatures, are used. Additional instructions of the manufacturer have be followed.
	When using more than one intrinsically safe circuit, the rules and regulations for interconnection shall duly be observed.
	Terminal boxes with a coating out polyester powder must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.
IECEx PTB 09.0048	The maximum number of conductors for the housing size in dependence on the section and the permissible continuous current rating are to be taken from the specifications.
	When more than one intrinsically safe circuit is used, the rules for interconnection are to be observed.
	The Terminal Box with a coating of polyester powder must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.
IECEx PTB 06.0046	For the maximum number of conductors, which for each size of enclosure is determined by the cross section and the admissible continuous current, reference is made to the specification sheets.
	If clearance requirements for the connectors as specified in IEC 60079-11 cannot be safeguarded with the system installation and layout, wiring that meets the quality criteria Increased Safety "e" shall be used, or the wiring shall be of the fail-safe type.
	When using more than one intrinsically safe circuit, the rules and regulations for interconnection shall duly be observed.
	Only such – separately certified – gaskets and – separately certified – built-in and built-in parts, suitable for these temperatures, are used. Additional instructions of the manufacturer have be followed.
	Terminal boxes containing fuses and/or, beside the usual non-intrinsically safe circuits, intrinsically safe circuits, are provided with an additional marking.
	The line-side fuse or protective device shall be selected so as to provide for safe interruption of the max. rated current, the max. rated short-circuit current and the max. rated short-time current (1 s).

Annexe to: IECEx SIR 11.0155X Issue 3

Applicant: Stolway Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Specific Conditions Of Use
IECEX PTB 06.0026	The maximum number of conductors that can be used for each enclosure size is subject to the cross-section and the admissible current rating and is shown in the attached specification sheets.
	The surface resistance of the material used for the enclosure is 1013 Ohm. Therefore the not "to be cleaned with moist cloth only" is to be given.
IECEX SIM 09.0001X	The square polycarbonate window, fitted in the ES/DS range of enclosures, may generate ignition-capable level of electrostatic charge under extreme conditions, the user must ensure that the equipment is installed and used in accordance with the manufacturer's instruction manual.
	Suitable heat-resistant cables and cable glands, with a continuous operating temperature of at least 95°C must be used at the entry point for the Range of ES/DS enclosures with temperature classification T5/T95°C.
	The following limiting parameters apply when the equipment is fitted with a window, Ammeter Type AWAM2 (IECEX BAS 07.0043U) or Fuse Type 8560/.. (IECEX PTB 06.0056U): -A short circuit protection device, rated at not greater than 10A, must be fitted in series with the Ammeter.
IECEX SIM 08.0018X	The equipment was submitted to tests corresponding to the low risk of mechanical impact and this must be observed at installation.
	The square polycarbonate window, when fitted in the enclosures, may generate an ignition capable level of electrostatic charge under certain extreme conditions. The user must ensure that the equipment is installed and used in accordance with the manufacturer's instruction manual
	Suitable heat-resistant cables and cable glands, with a continuous operating temperature of at least 95 ° C must be used at the entry point for the Range of EP/DP enclosures with temperature classification T5/T95 ° C
	The following limiting parameters apply when the equipment is fitted with the window option and/or Ammeter Type AWAM2 (IECEX BAS 07.0043U): - A short circuit protection device, rated at not greater than 10A, must be fitted in series with the Ammeter.
	The EP/DP1511 & EP/DP2315 models were submitted to tests corresponding to the low risk of mechanical danger and this must be observed at installation.
IECEX CES 13.0001	Accessories used for cable entries and for unused holes shall have degree of protection IP66 and shall be suitably certified.
	When selecting the permitted continuous current for cross-section, the maximum permitted electrical current for the terminals and the connecting cable or conductor should be taken into consideration. The terminals shall be fitted in accordance with the manufacturer's instructions and, when installed they shall have the minimum clearance and creepage distances required by Table 1 of IEC 60079-7 standard.
	For terminal boxes with type of protection Ex i the distances between Intrinsic Safety circuits and on-Intrinsic Safety circuits or between separate intrinsic safety circuits shall be according to IEC 60079-11 standard. Intrinsically safe circuits shall be clearly identified. Where a colour is used for this purpose, it shall be light blue for the intrinsically safe connections.
	The service temperature range of the terminals used shall be taken into consideration.

Annexe to: IECEx SIR 11.0155X Issue 3

Applicant: Stolway Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Specific Conditions Of Use
	Installation instruction document F-375 provides details of dielectric strength routine tests of 2U+1000Vac with a minimum value of 1500V Vac between the supply terminals and earth.
IECEx BAS 06.0013X	Except for PSG glands, all glands are suitable for use within an operating temperature range of -60°C to +100°C. The PSG range of glands are limited to an operating temperature range of -60°C to +80°C.
	Except for the 501/421R glands, all glands for use with conduit, unarmoured or braided cables are only suitable for fixed installations, the cable for which must be effectively clamped to prevent pulling and twisting
	The type 8430-501/453 J M100 gland as per variation 2.1 may only be used for fixed cable installations of group II equipment. The user shall ensure that the cable is effectively clamped to prevent pulling and twisting.
	When used in accordance with variation 8.1 the types 501/421 and 501/423 cable glands, with the exception of the type 501/421R, are only suitable for fixed applications and the cable must be effectively clamped and cleated to prevent pulling and twisting. The type 501/421/R has an integral clamping arrangement which precludes the requirement of this specific condition of use.
	When used in accordance with variation 8.2 the types 501/453 RAC cable glands are only suitable for fixed applications and the cable must be effectively clamped and cleated to prevent pulling and twisting.
IECEx SIR 13.0026X	The glands when used for terminating braided cables are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting.
	When the cable glands are supplied with an entry thread that is one size up from the nominal gland size, designated with the letter 'B' after the gland size, e.g. 32B****, they shall not be used with any adaptor device.
	When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling.
IECEx SIR 13.0027X	The glands when used for terminating braided cables are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting.
	When the cable glands are supplied with an entry thread that is one size up from the nominal gland size, designated with the letter 'B' after the gland size, e.g. 32B****, they shall not be used with any adaptor device.
	When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling.
IECEx SIR 13.0028X	The glands when used for terminating braided cables are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting.
	When the cable glands are supplied with an entry thread that is one size up from the nominal gland size, designated with the letter 'B' after the gland size, e.g. 32B****, they shall not be used with any adaptor device.
	When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling.
IECEx SIR 10.0094X	The PXFC cable entries are only suitable for fixed installations. When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling.

Date: 27 April 2020

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Form 9530 Issue 1

Sira Certification Service

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Annexe to: IECEx SIR 11.0155X Issue 3

Applicant: Stolway Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Specific Conditions Of Use																
	The entry component threads may need additional sealing to maintain the ingress protection rating as applicable to the associated equipment in which it will be attached.																
IECEx SIR 13.0094X	The installer shall refer to manufacturer's instructions for the action necessary regarding electrostatic risk associated with non-metallic adaptors, reducers and stopping plugs.																
IECEx ITS 13.0018X	At their point of mounting, these devices are approved for use at the following temperatures dependant on the type of o-ring: <table><thead><tr><th>O Ring Material</th><th>Limiting Temperature</th></tr></thead><tbody><tr><td>Nitrile</td><td>-20°C to +80°C</td></tr><tr><td>EDPM</td><td>-30°C to +125°C</td></tr><tr><td>Neoprene</td><td>-20°C to +100°C</td></tr><tr><td>Viton</td><td>-5°C to +150°C</td></tr><tr><td>Silicone</td><td>-30°C to +150°C</td></tr><tr><td>Fluorosilicone</td><td>-50°C to +150°C</td></tr></tbody></table>	O Ring Material	Limiting Temperature	Nitrile	-20°C to +80°C	EDPM	-30°C to +125°C	Neoprene	-20°C to +100°C	Viton	-5°C to +150°C	Silicone	-30°C to +150°C	Fluorosilicone	-50°C to +150°C		
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IECEx SIR 09.0096X	The limiting temperature ranges of these devices depends upon their material of manufacture and the type of "O" Ring used in their construction as defined by the manufacturer, the user shall therefore install these devices in accordance with temperature values stated in the table below. <table><thead><tr><th>O Ring Material</th><th>Limiting Temperature</th></tr></thead><tbody><tr><td>None</td><td>Brass, mild steel or stainless steel -50°C to +150°C</td></tr><tr><td>Nitrile</td><td>-20°C to +80°C</td></tr><tr><td>EDPM (fitted as standard)</td><td>-30°C to +125°C</td></tr><tr><td>Neoprene</td><td>-20°C to +100°C</td></tr><tr><td>Viton</td><td>-5°C to +150°C</td></tr><tr><td>Silicone</td><td>-30°C to +150°C</td></tr><tr><td>Fluorosilicone</td><td>-50°C to +150°C</td></tr></tbody></table>	O Ring Material	Limiting Temperature	None	Brass, mild steel or stainless steel -50°C to +150°C	Nitrile	-20°C to +80°C	EDPM (fitted as standard)	-30°C to +125°C	Neoprene	-20°C to +100°C	Viton	-5°C to +150°C	Silicone	-30°C to +150°C	Fluorosilicone	-50°C to +150°C
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IECEx CES 15.0006X	The coupling of the adaptors and plugs with the enclosures shall be made as indicated by the manufacturer in the documents annexed to this certificate in order respect the type of protection of the electrical apparatus on which the adaptors and plugs are mounted. The adaptors and plugs shall be installed in such a way that the temperature at the mounting point will remain within the following service temperature ranges: - -40°C to +100°C for adaptors and plugs - Limited up to +80°C for adaptors and plugs fitted with fibre washer The degree of protection IP 66/68 according to the IEC 60529 standard will be guaranteed for the adaptors and plugs if the holes into which adaptors and plugs are mounted are suitably sealed. To this scope the correct positioning of the gaskets (for cylindrical threads) or the application of sealant on the threads (for tapered threads), shall be done as indicated in the manufacturer instruction. Therefore it is the users' responsibility to ensure that the appropriate ingress protection level is maintained.																

Annexe to: IECEx SIR 11.0155X Issue 3

Applicant: Stolway Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Specific Conditions Of Use
IECEx IBE 08.0001X	The operation of the switches and of the jack connector as well as the connecting and disconnecting of energised non-energy limited circuits is only permitted during installation, for maintenance or for repair purposes (see warning label)
IECEx IBE 10.0004X	Connecting and disconnecting of the connections of not intrinsically safe circuits under voltage is not permitted Only appropriate devices from Phoenix Contact may be connected at the configuration interface in Zone 2
IECEx IBE 10.0002X	Connecting and disconnecting of not intrinsically safe circuits are not allowed in energized state of the Isolating Amplifier MACX MCR-EX-SL-xNAM-yR-UP(-SP).
IECEx BVS 12.0050X	The installation of the Temperature Converters shall be carried out in such a way that the clearance of uninsulated conductors of intrinsically safe circuits to grounded metal parts of the enclosure are at least 3mm, and uninsulated conductors of non intrinsically safe circuits of other apparatus are situated at least 50mm from terminals for external intrinsically safe circuits, or are separated from them by an insulating barrier according to clause 6.2.1 of IEC60079-11:2012
IECEx BVS 10.0072X	The installation of DIN Rail Isolators of type series D5****, D5****-xxx shall be carried out in such a way that the clearances of un-insulated conductors of intrinsically safe circuits to grounded metal parts of the enclosure are at least 3 mm, and un-insulated conductors of non-intrinsically safe circuits of other apparatus are situated at least 50 mm from terminals for external intrinsically safe circuits, or are separated from them by an insulating barrier according to clause 6.2.1 of IEC 60079-11:2011.
IECEx PTB 07.0057X	For repair of the flamepaths joints due regard must be given to the structural specification provided by the manufacturer. Repair on the basis of the value in tables 1 and 2 of EN 60079-1 is not accepted.

Annexe to: IECEx SIR 11.0155X Issue 3
 Applicant: Stolway Pty Ltd
 Apparatus: Type 'ST' Air conditioning units (HVAC)
 Type 'ST' Water chiller units



Full Certificate Change History

Issue 1 – this Issue introduced the following changes:

1. The introduction of additional IECEx devices and amendment of the Item description on previously listed devices used in the construction of the Air Conditioning and Water Chiller Units.
2. To replace the T class noted in the Marking, with 'T*'.

Issue 2 – this Issue introduced the following changes:

1. To permit a change to the manufacturer's name from Stolway Holdings Pty Limited to Stolway Pty. Limited.
2. The equipment that is permitted for installation under IECEx 11.0155X is updated as detailed in the ANNEXE Issue 2.
3. Assessment of the Type ST equipment assemblies for compliance with the requirements of IEC 60079 0:2011 and IEC 60079-14:2013.
4. Assessment of the Type ST equipment assemblies for compliance with the requirements of IECEx ExTAG DS 2015/001A.
5. Change the certification code from "Ex d e [ia] mb IIB+H2 T*" to "Ex II* T* Gb" in accordance with the re-assessment.

Issue 3 – this Issue introduced the following change:

1. Change of Applicant & Manufacturers address;

From	To
9 Charcoal Close PO Box 1197 Unanderra NSW 2526 Australia	Warehouse 2 91-95 Montague St Wollongong NSW 2500 Australia



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx SIR 11.0155X issue No.:2

Status: **Current**

Certificate history:
Issue No. 2 (2017-4-4)
Issue No. 1 (2013-9-30)
Issue No. 0 (2012-7-16)

Date of Issue: **2017-04-04** Page 1 of 4

Applicant: **Stolway Pty. Limited**
9 Charcoal Close
Unanderra
2526
Australia

Equipment: **Type 'ST' Air Conditioning Units (HVAC) & Type 'ST' Water Chiller Units**
Optional accessory:

Type of Protection: **Flameproof, Increased Safety, Intrinsic Safety & Encapsulation**

Marking: **Ex II* T* Gb (Ta = -**C to +**C)**
Notes:
1.* The Equipment Group, Temperature Classification and ambient temperature range are determined by the schedule documents, dependant on items fitted
2. The marking that is shown is a typical example since the information that is applied to this equipment by the manufacturer depends upon the previously certified devices that are used in its construction and is specific to each unit; see the description of equipment and conditions of manufacture.
3. Compliance with the relevant standard relies on the fact that the devices used in the construction of this Equipment (see description in the certificate) are previously certified, IEC 60079-0 was referenced for guidance in respect of marking.

Approved for issue on behalf of the IECEx Certification Body: N Jones

Position: Certification Manager

Signature: *P.P.*
(for printed version)

[Signature]
A.G. Boyes
2017-04-04

Date:

- 1. This certificate and schedule may only be reproduced in full.
- 2. This certificate is not transferable and remains the property of the issuing body.
- 3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:
SIRA Certification Service
CSA Group
Unit 6, Hawarden Industrial Park
Hawarden, Deeside, CH5 3US
United Kingdom





IECEX Certificate of Conformity

Certificate No.: IECEx SIR 11.0155X

Date of Issue: 2017-04-04

Issue No.: 2

Page 2 of 4

Manufacturer: **Stolway Pty. Limited**
9 Charcoal Close
Unanderra
2526
Australia

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

GB/SIR/ExTR12.0028/00

GB/SIR/ExTR13.0256/00

GB/SIR/ExTR17.0050/00

Quality Assessment Report:

AU/TSA/QAR06.0022/04



IECEX Certificate of Conformity

Certificate No.: IECEx SIR 11.0155X

Date of Issue: 2017-04-04

Issue No.: 2

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Refer to the ANNEXE for the Equipment description and Conditions of Manufacture.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to the ANNEXE for the Specific Conditions Of Use.



IECEX Certificate of Conformity

Certificate No.: IECEx SIR 11.0155X

Date of Issue: 2017-04-04

Issue No.: 2

Page 4 of 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 – this Issue introduced the following changes:

1. The introduction of additional IECEx devices and amendment of the Item description on previously listed devices used in the construction of the Air Conditioning and Water Chiller Units.
2. To replace the T class noted in the Marking, with 'T*'.

Issue 2 – this Issue introduced the following changes:

1. To permit a change to the manufacturer's name from Stolway Holdings Pty Limited to Stolway Pty. Limited.
2. The equipment that is permitted for installation under IECEx 11.0155X is updated as detailed in the ANNEXE Issue 2.
3. Assessment of the Type ST equipment assemblies for compliance with the requirements of IEC 60079 0:2011 and IEC 60079-14:2013.
4. Assessment of the Type ST equipment assemblies for compliance with the requirements of IECEx ExTAG DS 2015/001A.
5. Change the certification code from "Ex d e [ia] mb IIB+H2 T*" to "Ex II* T* Gb" in accordance with the re-assessment.

Annexe to: IECEx SIR 11.0155X Issue 2

Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



The Type 'ST' Air Conditioning Units and Type 'ST' Water Chiller Units incorporate devices that have been previously certified using appropriate standards (refer to the certificate associated with each device); the suitability of the interconnection of the devices has been assured using the relevant code of practice. Listed below are the devices that are used in the construction of the Air Conditioning and Water Chiller Units.

Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Compressor assembly	IECEX SIR 07.0095	Ex d	IIB + H2	T3 or T4	-20 to +60°C
Heater assembly	IECEX SIR 10.0022X	Ex e	IIC	T3 or T5	-40 to +55°C or -40 to +44°C
Solenoid (Refrigeration)	IECEX TSA 07.0060X	Ex ma Ex mb	IIC IIC	T4 T4	-40 to +60°C -40 to +60°C
Motor	IECEX TSA 06.0034X	Ex e	II	T3	-20 to +50°C -20 to +60°C
Motor	IECEX TSA 06.0035X	Ex e	II	T3	-20 to +50°C -20 to +60°C
Motor	IECEX CES 09.0007	Ex d Ex de	IIC	T4 or T3	-20 to +60°C
Motor	IECEX CES 10.0014	Ex d Ex de	IIC	T6, T5, T4 or T3ⓐ	-20 to +60°C
Motor	IECEX CES 10.0015	EEx d or EEx de	IIB	T6, T5, T4 or T3ⓐ	-20 to +80°C -20 to +60°C
Motor	IECEX CES 10.0023X	Exd	IIB	T6, T5, T4 or T3	-20 to +80°C
Electrical enclosure	IECEX BKI 06.0009	Ex d Ex d [ia/ib]	IIB + H2	T6, T5, T4 or T3	Refer to certificate
Electrical enclosure	IECEX BKI 09.0005	Ex d Ex d [ia]	IIB + H2	T6, T5, T4 or T3	Refer to certificate
Electrical enclosure	IECEX KEM 07.0051X	Ex d	IIB + H2 IIB	T6...T4 T6...T4	-20 to +60°C -55 to +60°C
Junction boxes	IECEX SIR 06.0074	Ex e Ex ia	II IIC	T6, T5, T4 or T3	Refer to certificate
Junction boxes	IECEX SIR 06.0106X	Ex e Ex ia	II IIC	T6, T5, T4	Refer to certificate
Junction boxes	IECEX PTB 06.0060	Ex d e ia/ib	IIC,IIB,IIA	T6, T5, T4	Refer to certificate
Junction boxes	IECEX PTB 09.0048	Ex d e ia/ib	IIC,IIB,IIA	T6, T5, T4	Refer to certificate
Junction boxes	IECEX PTB 06.0046	Ex d e ia/ib	IIC/IIB/IIA	T6, T5, T4	Refer to certificate
Cable glands	IECEX BAS 06.0013X	Ex d Ex e	IIC	N/A	-60 to +80°C
Cable glands	IECEX BAS 06.0014X	Ex d Ex e	IIC	N/A	-60 to +80°C
Cable glands	IECEX BAS 06.0015X	Ex d Ex e	IIC	N/A	-60 to +80°C
Cable glands	IECEX SIR 07.0005X	Ex d Ex e	IIC II	N/A	-60 to +130°C
Cable glands	IECEX SIR 06.0039X	Ex d Ex e	IIC II	N/A	-60 to +130°C
Cable glands	IECEX SIR 06.0044X	Ex d Ex e	IIC II	N/A	-60 to +85°C

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Date: 04 April 2017

Page 1 of 16

Form 9530 Issue 1

Annexe to: IECEx SIR 11.0155X Issue 2

Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Cable glands	IECEX SIR10.0094X	Ex d Ex e	IIC	N/A	-60 to +85°C
Cable glands	IECEX BAS 06.0059X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Plugs/Reducers	IECEX BAS 07.0001X	Ex d Ex e	IIC II	N/A	-
Plugs/Reducers	IECEX SIR 09.0032U	Ex d Ex e	IIC	N/A	Refer to certificate
Plugs/Reducers	IECEX SIR 05.0042U	Ex d Ex e	IIC	N/A	Refer to certificate
Plugs/Reducers	IECEX SIR 07.0056X	Ex d Ex e	IIC II	N/A	Refer to certificate
IS barrier	IECEX BAS 06.0025	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	IECEX PTB 11.0031	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	IECEX TUN 07.0003	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	IECEX BAS 07.0067	[Ex ia Ga]	IIC	N/A	-20 to +60°C
IS barrier	IECEX IBE 10.0004X	[Ex ia] Ex nAC	IIC	T4	-20 to +65°C
IS barrier	IECEX IBE 10.0002X	[Ex ia] Ex nAC	IIC	T4	-20 to +60°C
Self-regulated heating cable	IECEX UL 06.0013	Ex e	II	T5 or T6	-60 to +55°C

- ① The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/E/0610/C annexed to the IECEx certificate.
- ② The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/E/0610/B annexed to the IECEx certificate.

Date: 04 April 2017

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Form 9530 Issue 1

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Annexe to: IECEx SIR 11.0155X Issue 2

Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Issue 1 - The following table lists the introduction of additional IECEx devices and amendment of the Item description (*) on a number of previously listed devices that are used in the construction the Air Conditioning and Water Chiller Units:

Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Solenoid	IECEX PTB 04.0002X	Ex mb	IIC	T6, T5 or T4	Refer to certificate
Motor	IECEX BAS 08.0096X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX BAS 08.0097X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX BAS 08.0100X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX BAS 08.0101X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX BAS 09.0066X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX BAS 09.0067X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Motor	IECEX TSA 10.0007X	Ex d	IIB	T4 or T5	-20 to +40°C
Motor	IECEX TSA 11.0057X	Ex d	IIC	T*	-55 to +60°C
Motor	IECEX TSA 12.0018X	Ex e	IIC	T3	-20 to +40°C
Motor	IECEX CES 11.0014X	Ex d	IIC	T6, T5, T4 or T3	-20 to +60°C
Electrical enclosure	IECEX BKI 11.0010	Ex db Ex db [ia] Ex db [ib]	IIC	T6...T3	Refer to certificate
Electrical enclosure	IECEX SIM 03.0000X	Ex d	IIB+H2	T6 or T5	Refer to certificate
Electrical enclosure	IECEX TSA 06.0011	Ex d Ex d [ia]	IIB+H2	Refer to certificate	Refer to certificate
Electrical enclosure	IECEX TSA 06.0012	Ex d	IIC	T6 or T5	Refer to certificate
Junction box / Enclosure *	IECEX SIR 06.0074	Ex e Ex ia	II IIC	T6, T5, T4 or T3	Refer to certificate
Junction box / Enclosure *	IECEX SIR 06.0106X	Ex e Ex ia	II IIC	T6, T5, T4	Refer to certificate
Junction box / Enclosure	IECEX INE 11.0016	Ex d e ia/ib ib mb	IIC	T6, T5 or T4	Refer to certificate
Junction box / Enclosure	IECEX ITA 08.0005X	Ex e	IIC	T6	-20 to +40°C
Junction box / Enclosure	IECEX ITA 08.0006X	Ex e	IIC	T6	-20 to +40°C
Junction box / Enclosure	IECEX KEM 10.0019	Ex eb Ex ia Ex eb ia	IIC	T6...T4	Refer to certificate
Junction box / Enclosure *	IECEX PTB 06.0060	Ex d e ia/ib	IIC,IIB,IIA	T6, T5, T4	Refer to certificate
Junction box / Enclosure *	IECEX PTB 09.0048	Ex d e ia/ib	IIC,IIB,IIA	T6, T5, T4	Refer to certificate
Junction box / Enclosure *	IECEX PTB 06.0046	Ex d e ia/ib	IIC/IIB/IIA	T6, T5, T4	Refer to certificate
Junction box / Enclosure	IECEX PTB 06.0026	Ex e mb Ex ia ib [ia]	IIC IIC/IIB/IIA	T6, T5, T4	Refer to certificate
Junction box / Enclosure	IECEX SIM 09.0001X	Ex e	II IIC	T6, T5 or T4	Refer to certificate

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Date: 04 April 2017

Page 3 of 16

Form 9530 Issue 1

Annexe to: IECEx SIR 11.0155X Issue 2

Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Junction box / Enclosure	IECEX TSA 10.0011	Ex e	II	T6 or T5	Refer to certificate
Plug / Reducer / Accessory *	IECEX BAS 07.0001X	Ex d Ex e	IIC II	N/A	-
Plug / Reducer / Accessory	IECEX ITS 13.0018U	Ex d Ex e	II IIC	N/A	Refer to certificate
Plug / Reducer / Accessory	IECEX SIM 07.0003U	Ex d Ex e	IIB+H2 IIC	N/A	-20 to +40°C
Plug / Reducer / Accessory *	IECEX SIR 09.0032U	Ex d Ex e	IIC	N/A	Refer to certificate
Plug / Reducer / Accessory *	IECEX SIR 05.0042U	Ex d Ex e	IIC	N/A	Refer to certificate
Plug / Reducer / Accessory	IECEX SIR 07.0052X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plug / Reducer / Accessory *	IECEX SIR 07.0056X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plug / Reducer / Accessory	IECEX SIR 08.0127U	Ex e Ex d	IIC	N/A	Refer to certificate
IS barrier	IECEX IBE 08.0001X	[Ex ia] Ex nA nC	IIC	T4	-20 to +60°C

Date: 04 April 2017

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Form 9530 Issue 1

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Annexe to: IECEx SIR 11.0155X Issue 2

Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Issue 2 – the equipment that is permitted for installation under IECEx 11.0155X has been updated as follows:

Certificate	Standard Edition	Description	Ex Marking
IECEX SIR 07.0095	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2003 (Ed 5.0)	Compressor Assembly	Ex d IIB+H2 IP66 T4 (Ta= -20 to +60°C)
IECEX SIR 10.0022X	IEC 60079-0:2007-10 (Ed 5.0) IEC 60079-7:2006-07 (Ed 4.0)	Heating Element Assembly	Ex e IIC T3 Gb (Ta = -40°C to +55°C) Ex e IIC T5 Gb (Ta = -40°C to +44°C)
IECEX TSA 07.0060X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-18:2004 (Ed 2.0)	Solenoid Coil	Ex ma IIC T4 (Ta=60 degC) IP66 (for types SX024DC and SX024DC(CS)) or Ex mb IIC T4 (Ta=60 degC) IP66 (for types SX110AC and SX230AC) Ta = -40 to +60 degC Ui = 26.4VDC (SX024DC and SX024DC(CS)) or Um = 132VAC 50/60Hz (SX120AC) or 250VAC 50/60Hz (SX230AC)
IECEX PTB 04.0002X	IEC 60079-0:2007-10 (Ed 5) IEC 60079-18:2009 (Ed 3)	Solenoid, type 0515..and type 1215	Ex mb IIC T6, T5, T4 Ex mb tb IIIC T80°C, T95°C, T130°C IP65
IECEX LCI 06.0004X	IEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6) IEC 60079-18:2009 (Ed 3)	Electrovalves - Type : .../495900... or .../495905...	Ex d mb IIC T* Gb
IECEX PTB 05.0006X	IEC 60079-0:2007-10 (Ed 5) IEC 60079-18:2009 (Ed 3)	Solenoid operator, Type 0513, 1213, 0514 and 1214	Ex mb IIC T5,T4 and Ex mb tb IIIC T95°C, T130°C or Ex mb IIC T5,T4 Gb and Ex mb tb IIIC T95°C, T130°C Db
IECEX BAS 08.0096X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	A Low Voltage A.C. Motor Frame Size 80 and 90	Ex de IIC T4 (Tamb -20°C to +50°C) see schedule
IECEX BAS 08.0097X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	A Low Voltage A.C. Motor Frame Size 100 and 112	Ex de IIC T4 (Tamb -20°C to +50°C) see schedule
IECEX BAS 08.0100X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6)	A Low Voltage A.C. Motor Frame Size 100 and 112	Ex d IIB T4 (-20°C to +50°C) see schedule
IECEX BAS 08.0101X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6)	Low Voltage A.C. Motor Frame Sizes 80 and 90	Ex d IIB T4 (-20C to +50C) see schedule
IECEX BAS 09.0066X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6)	Low Voltage A.C. Motor Frame Size 132	Ex d IIB T4 (-20°C to +50°C) see schedule
IECEX BAS 09.0067X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	A Low Voltage A.C. Motor Frame Size 132	Ex de IIC T4 (Tamb -20°C to +50°C) see schedule
IECEX TSA 10.0007X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2007-04 (Ed 6)	Range of HPD Flameproof Induction Motor frames Size 80 to 315	Ex d I Mb, Ex d IIB T4* Gb
IECEX TSA 11.0057X	IEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6)	Three phase explosion proof motors Frame sizes CD80, CD90,CD100, CD112,CD132, CD160, CD225, CD250, CD280 and CD 315	Exd I T * Mb Exd IIC T* Gb -55 °C < T amb < +60 °C
IECEX TSA 12.0018X	IEC 60079-0:2007-10 (Ed 5) IEC 60079-7:2006-07 (Ed 4) IEC 60079-15:2010 (Ed 4)	Range of Squirrel Cage Induction Motor Frames 71 to 250	Ex e IIC T3 @ (tamb.)40Gb Ex nA IIC T3 @ (Tamb.)40,Gc
IECEX CES 10.0023X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6)	Three-phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK 112, MAK 132, MAK160	Exd IIB T6, T5, T4, T3 Gb

Annexe to: IECEx SIR 11.0155X Issue 2

Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Standard Edition	Description	Ex Marking
IECEX CES 11.0014X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6)	Three-phase and single phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK 112, MAK 132, MAK160	Exd IIC T6, T5, T4, T3 Gb
IECEX BAS 14.0009X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-7:2006-07 (Ed 4)	Range of SGA induction motor of frames 71 to 315 and range of HGA induction motor of frames 80-280	Ex e IIC T3 Gb Tamb (-20°C to +40°C (Optionally +50°C)
IECEX EXA 16.0006X	IEC 60079-0:2011 (Ed 6.0) IEC60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	Three-phase and single phase motors, brake motors	Ex d IIC/IIB T3...T4...T5...T6 Gb or Ex d e IIC/IIB T3...T4...T5...T6 Gb
IECEX BVS 13.0121X	IEC 60079-0:2011 (Ed 6.0) IEC60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	Flameproof electric motors 4KT** ***/**	Ex d IIC T* Gb or Ex de IIC T* Gb or Ex d IIB T* Gb or Ex de IIB T* Gb or
IECEX BKI 11.0010	IEC 60079-0:2007-10 (Ed 5) IEC60079-1:2007-04 (Ed 6) IEC 60079-11:2006 (Ed 5)	Power-signal-control unit and terminal board family	Refer to point 3.1. and 3.4 in Addendum to IECEx BKI 11.0010
IECEX TSA 06.0011	IEC 60079-0:2004 (Ed 4) IEC60079-0:2007-10 (Ed 5) IEC 60079-0:2011 (Ed 6) IEC 60079-1:2007-04 (Ed 6) IEC 60079-11:2006 (Ed 5)	CCFE/EJB Series of Command, Control and Signalling Units	Ex d [ia Ma] I Mb - 20 °C ≤ Ta ≤ 55 °C * (stainless steel enclosures only) Ex d [ia Ga] IIB + H2 Gb T* - 20 °C ≤ Ta ≤ 55 °C *
IECEX TSA 06.0012	IEC 60079-0:2011 (Ed 6) IEC60079-1:2007-04 (Ed 6) IEC 60079-11:2006 (Ed 5) IEC 60079-11:2011 (Ed 6)	CCA and GUB series of Command, Control and Signalling Enclosures	Ex d [ia Ma] I Mb T* - 20 °C ≤ Ta ≤ 55 °C * (stainless steel enclosures only) Ex d [ia Ga] IIC Gb T*
IECEX DEK 13.0075	IEC60079-0:2007-10 (Ed 5) IEC 60079-0:2011 (Ed 6) IEC 60079-1:2007-04 (Ed 6) IEC60079-2:2007-02 (Ed 5) IEC60079-5:2007-03 (Ed 3) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2006 (Ed 5) IEC 60079-18:2009 (Ed 3) IEC 60079-28:2006-08 (Ed 1)	Control/Distribution panels series BARTEC B/C/D/E and BARTEC B/C/D/E assembly	Ex d ... IIB + H2 T6 ... T3 Gb Ex d ... IIC T6 ... T3 Gb Ex e ... IIB / IIC T6 ... T3 Gb
IECEX INE 13.0070X	IEC 60079-0:2011 (Ed 6.0) IEC60079-1:2014-06 (Ed 7.0) IEC 60079-11:2011 (Ed 6.0)	Enclosures type EJB...	Exd IIB+H2 T6 or T5 or T4 or T3 Gb Exd [ia IIA or IIB or IIC Ga] IIB+H2 T6 or T5 or T4 or T3 Gb Exd [ib IIA or IIB or IIC] IIB+H2 T6 or T5 or T4 or T3 Gb
IECEX INE 13.0078X	IEC 60079-0:2011 (Ed 6.0) IEC60079-1:2014-06 (Ed 7.0) IEC 60079-11:2011 (Ed 6.0)	Enclosures type EJB...	Exd IIB+H2 T6 or T5 or T4 or T3 Gb Exd [ia IIA or IIB or IIC Ga] IIB+H2 T6 or T5 or T4 or T3 Gb Exd [ib IIA or IIB or IIC] IIB+H2 T6 or T5 or T4 or T3 Gb
IECEX INE 14.0029X	IEC 60079-0:2011 (Ed 6.0) IEC60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2011 (Ed 6.0) IEC 60079-28:2006-08 (Ed1)	Enclosures type EJB***/EJBX***/	Exd (*) IIA or IIB or IIB+H2 T6 or T4 or T3 Gb
IECEX IMQ 14.0010X	IEC 60079-0:2011 (Ed 6.0) IEC60079-1:2014-06 (Ed 7.0) IEC 60079-11:2011 (Ed 6.0)	Enclosures with operator and control station series EJB ****	Ex db IIB+H2 T4/T5/T6 Gb Ex db [ia Ga] IIB+H2 T4/T5/T6 Gb Ex db [ib Gb] IIB+H2 T4/T5/T6 Gb
IECEX SIR 06.0074	IEC 60079-0:2004 (Ed 4.0) IEC60079-0:2007-10 (Ed 5) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2006 (Ed 5)	Terminal Boxes	Ex ia IIC T* Ga (Ta = -***C to +***C) Ex e II T* Gb (Ta = -***C to +***C)
IECEX SIR 06.0106X	IEC 60079-0:2004 (Ed 4.0) IEC60079-0:2007-10 (Ed 5) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2006 (Ed 5)	The GL range of terminal enclosures	Ex ia IIC T* Ga (Ta = -***C to +***C) Ex e II T* Gb (Ta = -***C to +***C)

Date: 04 April 2017

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Annexe to: IECEx SIR 11.0155X Issue 2

Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Standard Edition	Description	Ex Marking
IECEX PTB 06.0060	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2006 (Ed 5) IEC 60079-18:2009 (Ed 3)	Terminal box, type 8125/1***-*** and 8125/2***-***	Ex d e i a i b [ia Ga] mb IIA, IIB, IIC T6, T5, T4 Gb or Ex db eb ia ib [ia] mb IIA, IIB, IIC T6, T5, T4
IECEX PTB 09.0048	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2006 (Ed 5) IEC 60079-18:2004 (Ed 2.0)	Terminal Box Type 8150/1-****-****-****-**** and 8150/2-****-****-****-****	Ex d e i a i b mb IIC, IIB, IIA T6, T5, T4 Gb or Ex db eb ia ib mb IIC, IIB, IIA T6, T5, T4 Gb
IECEX PTB 06.0046	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2006 (Ed 5) IEC 60079-18:2009 (Ed 3)	Terminal box, type 8146/1***-*** and 8146/2***-***	Ex d e i a i b [ia Ga] mb IIA, IIB, IIC T6, T5, T4 Gb or Ex db eb ia ib [ia] mb IIA, IIB, IIC T6, T5, T4
IECEX PTB 06.0026	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2006-07 (Ed 4) IEC 60079-11:2006 (Ed 5) IEC 60079-18:2009 (Ed 3)	Junction and Terminal Boxes Type 8118/****-****	Ex e mb IIC T6, T5, T4 Gb or Ex eb mb IIC T6, T5, T4 Ex ia ib[ia Ga] IIA, IIB, IIC T6, T5, T4 Gb or Ex ia ib[ia] IIA, IIB, IIC T6, T5, T4
IECEX SIM 09.0001X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-7:2006-07 (Ed 4)	GOVAN brand - ES/DS & EM/DM Range of Junction Boxes and Control Stations	Refer Annex of certificate IECEx SIM 09.0001X
IECEX TSA 10.0011	IEC 60079-0:2004 (Ed 4.0) IEC 60079-7:2006-07 (Ed 4)	Increased Safety Junction Boxes, Series SA... and SA.../SS	Ex e II IP * T6, or Ex e II IP * T5 -20 °C ≤ Ta ≤ +55 °C *
IECEX SIM 08.0018X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-7:2006-07 (Ed 4)	GOVAN brand - EP/DP Range of Junction Boxes & Control Stations	Refer Annex od certificate IECEx SIM 08.0018X
IECEX CES 13.0001	IEC 60079-0:2011 (Ed 6.0) IEC 60079-7:2006-07 (Ed 4) IEC 60079-11:2011 (Ed 6.0)	Terminal boxes, series CTB, CSTB and SA	Ex e IIC T6 or T5 Gb Ex ia IIC T6 or T5 Gb Ex e ia IIC T6 or T5 Gb
IECEX BAS 06.0013X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2014-06 (Ed 7.0) IEC 60079-7:2015 (Ed 5.0)	A Range of Compression Type Cable Glands	Ex d IIC Ex e IIC Gb (-60°C ≤ ta ≤ +80°C) see schedule
IECEX BAS 06.0014X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2014-06 (Ed 7.0) IEC 60079-7:2015 (Ed 5.0) IEC 60079-15:2010 (Ed 4)	Type 501/453 UNIV Cable Glands	Ex db IIC Gb Ex e IIC Gb Ex nR IIC Gc (-60°C ≤ ta ≤ +80°C)
IECEX BAS 06.0015X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2014-06 (Ed 7.0) IEC 60079-7:2015 (Ed 5.0)	A range of Barrier Type Cable Glands	Ex d IIC Ex e IIC Gb (-60°C ≤ ta ≤ +80°C)
IECEX BAS 06.0059X	IEC 60079-0:2007-10 (Ed 5) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	A Type HA* Barrier Gland	Ex d IIC Ex e IIC Gb Ta -60°C to +80°C
IECEX SIR 13.0023X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) IEC 60079-15:2010 (Ed 4)	Cable Gland Types A**	Ex e I Mb Ex d I Mb Ex e IIC Gb Ex d IIC Gb Ex nR IIC Gc
IECEX SIR 13.0026X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) IEC 60079-15:2010 (Ed 4)	Cable Gland Types E**	Ex e I Mb Ex d I Mb Ex e IIC Gb Ex d IIC Gb Ex nR IIC Gc Ta -60°C to +130°C Ta -20°C to +200°C

Annexe to:

IECEX SIR 11.0155X Issue 2

Applicant:

Stolway Holdings Pty Ltd

Apparatus:

Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Standard Edition	Description	Ex Marking
IECEX SIR 13.0027X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) IEC 60079-15:2010 (Ed 4)	Cable Gland Types PX**	Ex e I Mb Ex d I Mb Ex e IIC Gb Ex d IIC Gb Ex nR IIC Gc Ta -60°C to +85°C
IECEX SIR 13.0028X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4) IEC 60079-15:2010 (Ed 4)	Cable Gland Types Triton T3** and TE**	Ex e I Mb Ex d I Mb Ex e IIC Gb Ex d IIC Gb Ex nR IIC Gc Ta -60°C to +130°C (When fitted with standard seal) Ta -20°C to +200°C (When fitted with high temperature seal)
IECEX SIR 10.0094X	IEC 60079-0:2007 (Ed 5) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	PXFC and PXFC-LTPB Barrier Glands for Flexible Conduit	Ex d IIC Gb Ex e IIC Gb Ex d IIC Gb Ex e IIC Gb
IECEX BAS 07.0001X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2003 (Ed 5) IEC 60079-7:2001 (Ed 3)	A Range of Thread Adaptors	Ex d IIC Ex e II IP6X
IECEX SIR 13.0094X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	Type 737,747, 757, 767 and 797 ranges of adaptors, reducers and stopping plugs	Ex d I Mb / Ex e I Mb Ex d IIC Gb / Ex e IIC Gb Ex e IIC Gb
IECEX ITS 13.0018X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	CT Breather Drain	Ex d I/IIC Mb/Gb Ex e I/IIC Mb/Gb
IECEX SIR 09.0096X	IEC 60079-0:2007-10 (Ed 5) IEC 60079-7:2006-07 (Ed 4)	Breather Drain Type CV	Ex e I/IIC Mb/Gb Ex e I/IIC Gb
IECEX CES 15.0006X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-1:2007-04 (Ed 6) IEC 60079-7:2006-07 (Ed 4)	Adaptors and plugs series AD.RE..., AD.EN..., AD.FF..., AD.MM..., SP.MD..	Ex d IIC Gb Ex e IIC Gb
IECEX BAS 06.0025	IEC 60079-0:2007-10 (Ed 5) IEC 60079-11:2006 (Ed 5) IEC 60079-26:2004 (Ed 1)	Type KCD2-SR-Ex*. * Switch Amplifier	[Ex ia Ga] IIC [Ex ia Ma] I -20°C ≤ Ta ≤ +60°C
IECEX PTB 11.0031	IEC 60079-0:2011 (Ed 6.0) IEC 60079-11:2011 (Ed 6.0)	Isolation switching amplifier type K"A"-SR"-Ex".W."	[Ex ia Ga] IIC [Ex ia Ma] I
IECEX TUN 07.0003	IEC 60079-0:2011 (Ed 6.0) IEC 60079-11:2011 (Ed 6.0)	Universal Temperature Module Type KFD2-UT2-Ex*-*	[Zone 0] [Ex ia] IIC and [Ex ia] I
IECEX IBE 08.0001X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-11:2011 (Ed 6.0) IEC 60079-15:2010 (Ed 4)	NAMUR Isolating Amplifier MACX MCR-EX-SL-*	[Ex ia Ga] IIC Ex nA nC IIC T4 Gc
IECEX IBE 10.0004X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-11:2011 (Ed 6.0) IEC 60079-15:2010 (Ed 4)	NAMUR Isolating Amplifier Type MACX-MCR/PL-EX-T-U(REL)-UP(-SP)	[Ex ia Ga] IIC Ex nA nC IIC T4 Gc
IECEX IBE 10.0002X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-11:2011 (Ed 6.0) IEC 60079-15:2010 (Ed 4)	Isolating Amplifier MACX MCR-EX-SL-xNAM-yR-UP(-SP)	[Ex ia Ga] IIC Ex nA nC IIC T4 Gc
IECEX BVS 12.0050X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-11:2011 (Ed 6.0) IEC 60079-15:2010 (Ed 4)	Temperatuer Converter type D5072*, D5072-*, D5072S-087, D5273S, D5273S-*	Ex nA [ia Ga] IIC T4 Gc, [Ex ia Ma] I, Ex nA nC [ia Ga] IIC T4 Gc
IECEX BVS 10.0072X	IEC 60079-0:2011 (Ed 6.0) IEC 60079-15:2010 (Ed 4)	DIN Rail Isolator (extention: Relay Output, Switch/Proximity Detector repeaters) type D5****, D5****-xxx (extention: D5090S-086, D5036*-*/D5037*-*)	Ex nA [ia Ga] IIC T4 Gc, [Ex ia Ma] I, Ex nA nC [ia Ga] IIC T4 Gc

Date: 04 April 2017

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Annexe to: IECEx SIR 11.0155X Issue 2

Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Standard Edition	Description	Ex Marking
IECEX UL 06.0013	IEC 60079-0:2004 (Ed 4.0) IEC 60079-7:2001 (Ed 3) IEC 62086-1:2001	BSX- 3-1, 5-1, 8-1, 10-1, 3-2, 5-2, 8-2, 10-2	Ex e II T5 or T6 -60°C ≤ Tamb ≤ +55°C
IECEX FMG 13.0020	IEC 60079-0:2011(Ed 6.0) IEC 60079-30-1:2007-01 (Ed 1)	BSX Self regulating Trace Heaters	Ex eb IIC T6...T5, -60°C to +55°C
IECEX PTB 07.0057X	IEC 60079-0:2004 (Ed 4.0) IEC 60079-1:2003 (Ed 5) IEC 60079-11:2006 (Ed 5)	Actuator model S, type EX MAX.../...	Ex d [ia] IIC T6, T5 and T4

Conditions of Manufacture

The Manufacturer shall comply with the following:

1. The marking, ambient temperature range, group, category, safety description, relevant electrical safety parameters and warnings will be included in the marking. The most onerous values shall take precedence.
2. This certificate relies on previously certified products. When they are used as part of this equipment, they shall still be covered by their original certificates.
3. The manufacturer shall ensure that any blanking elements or cable glands fitted have suitable service temperatures, when considering all equipment fitted and conditions on certificates.
4. The manufacturer shall take all reasonable steps to ensure that the user/installer complies with the special conditions for certification associated with the equipment. In addition, the manufacturer shall provide the user/installer with an appropriate copy of the certificate for each certified device that is fitted in the equipment.
5. The assembly manufacturer shall address the relevant conditions of use in the permitted Ex equipment certificates as specified in schedule document 60107-STD-EL-SC-321 for installation according to IECEx SIR 11.0155X.

Specific Conditions Of Use

The user/installer shall install, operate and maintain this equipment taking into account any restrictions or Specific Conditions Of Use that are applicable to previously certified devices that are listed in the following table:

Certificate	Specific Conditions Of Use
IECEX TSA 07.0060X	The following input parameters shall be taken into account during installation: Type SX024DC: $U_i = 26.4 \text{ V d.c.}$ Type SX024DC(CS): $U_i = 26.4 \text{ V d.c.}$ Type SX110AC: $U_m = 132 \text{ V rms}$ Type SX230AC: $U_m = 250 \text{ V rms}$
IECEX LCI 06.0004X	Ambient temperature range: $-40^\circ\text{C} \leq T_{amb} \leq +80^\circ\text{C}$
IECEX BAS 08.0096X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 898-1 When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.
IECEX BAS 08.0097X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 898-1

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Annexe to: IECEx SIR 11.0155X Issue 2

Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Specific Conditions Of Use
IECEX BAS 08.0097X	When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.
IECEX BAS 08.0100X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 898-1 When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.
IECEX BAS 08.0101X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 898-1 When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.
IECEX BAS 09.0066X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with SAE 1008 standard When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.
IECEX BAS 09.0067X	The hexagon head bolts used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with SAE 1008 standard The cable glands when installed in the increased safety terminal must provide a minimum of IP54 level of ingress protection. When the motor is supplied with bearing insulation, the user is responsible for checking the effectiveness of such installations at appropriate intervals, e.g. by the use of 100V insulation tester and by visual inspection to ensure that no unpainted, unearthed metal can be shorted to earth.
IECEX TSA 10.0007X	The flame path dimensions are detailed in IECEx test report AU/TSA/ExTR10.0014/00 Attachment A and shall comply with the manufacturer's drawings listed below
IECEX TSA 11.0057X	The flameproof joints parameters shall be in accordance with the manufacturer drawings list. It is a condition of safe use that the operation of motor with drain holes is only allowed with drain holes screws in place and correctly tightened.
IECEX CES 10.0023X	The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted.
IECEX CES 11.0014X	The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted.
IECEX BAS 14.0009X	The equipment may present a potential electrostatic charging hazard; the user instructions shall be followed in order to minimise the risk of electrostatic discharge

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Annexe to: IECEx SIR 11.0155X Issue 2

Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Specific Conditions Of Use
IECEX EXA 16.0006X	<p>The flame paths are specified on the manufacturer's drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted.</p> <p>In special cases the suitable paint system is not in compliance to thickness limit indicated for gas group IIC. In order to minimize risk of hazards caused by electrostatic charges, clean motor only with a wet rag or by non-frictional means.</p>
IECEX BVS 13.0121X	<p>The lengths of the flameproof joints are in parts longer and the gaps of the flameproof joints are in parts smaller than the values of table 2 of IEC 60079-1:2007. For information of the dimensions of the flameproof joints contact the manufacturer.</p> <p>Fasteners with a minimum yield stress of 640N/mm² must be used for the closing of the flameproof enclosure</p>
IECEX BKI 11.0010	The enclosure(s) must not open or dismantle while it is energised
IECEX INE 13.0070X	<p>The width of flameproof joints is superior to those specified in Tables of IEC 60079-1 Standard</p> <p>During the installation, the user will take into consideration that pilot light type EFL*PC* underwent only a shock corresponding to an energy of a low risk of 2J</p> <p>During the installation, the user will take into consideration that the windows of the enclosure underwent only a shock corresponding to an energy of a low risk of 2J</p>
IECEX INE 13.0078X	<p>The width of flameproof joints is superior to those specified in Tables of IEC 60079-1 Standard</p> <p>During the installation, the user will take into consideration that pilot light type EFL*PC* underwent only a shock corresponding to an energy of a low risk of 2J</p> <p>During the installation, the user will take into consideration that the windows of the enclosure underwent only a shock corresponding to an energy of a low risk of 2J</p>
IECEX INE 14.0029X	The width of flameproof joints is superior to those specified in Tables of IEC 60079-1 Standard
IECEX IMQ 14.0010X	<p>For enclosures EJB..A and EJB..S: the length L of flanged joints is greater than dimensions listed in EN 60079-1:2014 standard: 32,20/42,20/52,20 mm versus 25 mm.</p> <p>For operators the length L of joints is greater than dimensions listed in EN 60079-1:2014 standard, as follows:</p> <ul style="list-style-type: none">• UPB2 actual 25,5 mm vs 25 mm• UPBL actual 29 mm vs 25 mm• UHLB and UHB: actual 35 mm vs 25 mm• UHS actual 32 mm vs 25 mm• UVD actual 27 mm vs 25 mm• UVB actual 28 mm vs 25 mm
IECEX SIR 06.0074	Intrinsically safe and non-intrinsically safe circuits which are fitted within the same enclosure shall be separated as required by IEC 60079-14.

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Annexe to:

IECEX SIR 11.0155X Issue 2

Applicant:

Stolway Holdings Pty Ltd

Apparatus:

Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Specific Conditions Of Use
IECEX SIR 06.0106X	Intrinsically safe and non-intrinsically safe circuits fitted within the same enclosure shall be separated as required by EN 60079-14
IECEX PTB 06.0060	For the maximum number of conductors, which for each size of enclosure is determined by the cross section and the admissible continuous current, reference is made to the specification sheets.
	Equipment of the type of protection Intrinsic Safety "i" shall be installed in such a way that the clearances and creepage distances between intrinsically safe and non-intrinsically safe circuits as set forth in IEC 60079-14 are duly accounted for.
	Only such – separately certified – built-in and built-in parts, suitable for these temperatures, are used. Additional instructions of the manufacturer have been followed.
	When using more than one intrinsically safe circuit, the rules and regulations for interconnection shall duly be observed.
	Terminal boxes with a coating out polyester powder must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.
IECEX PTB 09.0048	The maximum number of conductors for the housing size in dependence on the section and the permissible continuous current rating are to be taken from the specifications.
	When more than one intrinsically safe circuit is used, the rules for interconnection are to be observed.
	The Terminal Box with a coating of polyester powder must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.
IECEX PTB 06.0046	For the maximum number of conductors, which for each size of enclosure is determined by the cross section and the admissible continuous current, reference is made to the specification sheets.
	If clearance requirements for the connectors as specified in IEC 60079-11 cannot be safeguarded with the system installation and layout, wiring that meets the quality criteria Increased Safety "e" shall be used, or the wiring shall be of the fail-safe type.
	When using more than one intrinsically safe circuit, the rules and regulations for interconnection shall duly be observed.
	Only such – separately certified – gaskets and – separately certified – built-in and built-in parts, suitable for these temperatures, are used. Additional instructions of the manufacturer have been followed.
	Terminal boxes containing fuses and/or, beside the usual non-intrinsically safe circuits, intrinsically safe circuits, are provided with an additional marking.
	The line-side fuse or protective device shall be selected so as to provide for safe interruption of the max. rated current, the max. rated short-circuit current and the max. rated short-time current (1 s).

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Annexe to: IECEx SIR 11.0155X Issue 2

Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Specific Conditions Of Use
IECEX PTB 06.0026	<p>The maximum number of conductors that can be used for each enclosure size is subject to the cross-section and the admissible current rating and is shown in the attached specification sheets.</p> <p>The surface resistance of the material used for the enclosure is 1013 Ohm. Therefore the not "to be cleaned with moist cloth only" is to be given.</p>
IECEX SIM 09.0001X	<p>The square polycarbonate window, fitted in the ES/DS range of enclosures, may generate ignition-capable level of electrostatic charge under extreme conditions, the user must ensure that the equipment is installed and used in accordance with the manufacturer's instruction manual.</p> <p>Suitable heat-resistant cables and cable glands, with a continuous operating temperature of at least 95°C must be used at the entry point for the Range of ES/DS enclosures with temperature classification T5/T95°C.</p> <p>The following limiting parameters apply when the equipment is fitted with a window, Ammeter Type AWAM2 (IECEX BAS 07.0043U) or Fuse Type 8560/.. (IECEX PTB 06.0056U):</p> <p>-A short circuit protection device, rated at not greater than 10A, must be fitted in series with the Ammeter.</p>
IECEX SIM 08.0018X	<p>The equipment was submitted to tests corresponding to the low risk of mechanical impact and this must be observed at installation.</p> <p>The square polycarbonate window, when fitted in the enclosures, may generate an ignition capable level of electrostatic charge under certain extreme conditions. The user must ensure that the equipment is installed and used in accordance with the manufacturer's instruction manual</p> <p>Suitable heat-resistant cables and cable glands, with a continuous operating temperature of at least 95 ° C must be used at the entry point for the Range of EP/DP enclosures with temperature classification T5/T95 ° C</p> <p>The following limiting parameters apply when the equipment is fitted with the window option and/or Ammeter Type AWAM2 (IECEX BAS 07.0043U):</p> <p>- A short circuit protection device, rated at not greater than 10A, must be fitted in series with the Ammeter.</p> <p>The EP/DP1511 & EP/DP2315 models were submitted to tests corresponding to the low risk of mechanical danger and this must be observed at installation.</p>
IECEX CES 13.0001	<p>Accessories used for cable entries and for unused holes shall have degree of protection IP66 and shall be suitably certified.</p> <p>When selecting the permitted continuous current for cross-section, the maximum permitted electrical current for the terminals and the connecting cable or conductor should be taken into consideration. The terminals shall be fitted in accordance with the manufacturer's instructions and, when installed they shall have the minimum clearance and creepage distances required by Table 1 of IEC 60079-7 standard.</p> <p>For terminal boxes with type of protection Ex i the distances between Intrinsic Safety circuits and on-Intrinsic Safety circuits or between separate intrinsic safety circuits shall be according to IEC 60079-11 standard. Intrinsically safe circuits shall be clearly identified. Where a colour is used for this purpose, it shall be light blue for the intrinsically safe connections.</p> <p>The service temperature range of the terminals used shall be taken into consideration.</p>

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Annexe to: IECEx SIR 11.0155X Issue 2

Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Specific Conditions Of Use
	Installation instruction document F-375 provides details of dielectric strength routine tests of 2U+1000Vac with a minimum value of 1500V Vac between the supply terminals and earth.
IECEX BAS 06.0013X	<p>Except for PSG glands, all glands are suitable for use within an operating temperature range of -60°C to +100°C. The PSG range of glands are limited to an operating temperature range of -60°C to +80°C.</p> <p>Except for the 501/421R glands, all glands for use with conduit, unarmoured or braided cables are only suitable for fixed installations, the cable for which must be effectively clamped to prevent pulling and twisting</p> <p>The type 8430-501/453 J M100 gland as per variation 2.1 may only be used for fixed cable installations of group II equipment. The user shall ensure that the cable is effectively clamped to prevent pulling and twisting.</p> <p>When used in accordance with variation 8.1 the types 501/421 and 501/423 cable glands, with the exception of the type 501/421R, are only suitable for fixed applications and the cable must be effectively clamped and cleated to prevent pulling and twisting. The type 501/421/R has an integral clamping arrangement which precludes the requirement of this specific condition of use.</p> <p>When used in accordance with variation 8.2 the types 501/453 RAC cable glands are only suitable for fixed applications and the cable must be effectively clamped and cleated to prevent pulling and twisting.</p>
IECEX SIR 13.0026X	<p>The glands when used for terminating braided cables are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting.</p> <p>When the cable glands are supplied with an entry thread that is one size up from the nominal gland size, designated with the letter 'B' after the gland size, e.g. 32B****, they shall not be used with any adaptor device.</p> <p>When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling.</p>
IECEX SIR 13.0027X	<p>The glands when used for terminating braided cables are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting.</p> <p>When the cable glands are supplied with an entry thread that is one size up from the nominal gland size, designated with the letter 'B' after the gland size, e.g. 32B****, they shall not be used with any adaptor device.</p> <p>When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling.</p>
IECEX SIR 13.0028X	<p>The glands when used for terminating braided cables are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting.</p> <p>When the cable glands are supplied with an entry thread that is one size up from the nominal gland size, designated with the letter 'B' after the gland size, e.g. 32B****, they shall not be used with any adaptor device.</p> <p>When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling.</p>
IECEX SIR 10.0094X	The PXFC cable entries are only suitable for fixed installations. When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling.

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Annexe to: IECEx SIR 11.0155X Issue 2

Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Specific Conditions Of Use																											
	The entry component threads may need additional sealing to maintain the ingress protection rating as applicable to the associated equipment in which it will be attached.																											
IECEX SIR 13.0094X	The installer shall refer to manufacturer's instructions for the action necessary regarding electrostatic risk associated with non-metallic adaptors, reducers and stopping plugs.																											
IECEX ITS 13.0018X	At their point of mounting, these devices are approved for use at the following temperatures dependant on the type of o-ring: <table border="0"> <tr> <td>O Ring Material</td> <td>Limiting Temperature</td> </tr> <tr> <td>Nitrile</td> <td>-20°C to +80°C</td> </tr> <tr> <td>EDPM</td> <td>-30°C to +125°C</td> </tr> <tr> <td>Neoprene</td> <td>-20°C to +100°C</td> </tr> <tr> <td>Viton</td> <td>-5°C to +150°C</td> </tr> <tr> <td>Silicone</td> <td>-30°C to +150°C</td> </tr> <tr> <td>Fluorosilicone</td> <td>-50°C to +150°C</td> </tr> </table>	O Ring Material	Limiting Temperature	Nitrile	-20°C to +80°C	EDPM	-30°C to +125°C	Neoprene	-20°C to +100°C	Viton	-5°C to +150°C	Silicone	-30°C to +150°C	Fluorosilicone	-50°C to +150°C													
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IECEX SIR 09.0096X	The limiting temperature ranges of these devices depends upon their material of manufacture and the type of "O" Ring used in their construction as defined by the manufacturer, the user shall therefore install these devices in accordance with temperature values stated in the table below. <table border="0"> <tr> <td>O Ring Material</td> <td>Limiting Temperature</td> <td></td> </tr> <tr> <td></td> <td>Brass, mild steel or stainless steel</td> <td>Nylon MDF2 900</td> </tr> <tr> <td>None</td> <td>-50°C to +150°C</td> <td>-20°C to +65°C</td> </tr> <tr> <td>Nitrile</td> <td>-20°C to +80°C</td> <td>-20°C to +65°C</td> </tr> <tr> <td>EDPM (fitted as standard)</td> <td>-30°C to +125°C</td> <td>-20°C to +65°C</td> </tr> <tr> <td>Neoprene</td> <td>-20°C to +100°C</td> <td>-20°C to +65°C</td> </tr> <tr> <td>Viton</td> <td>-5°C to +150°C</td> <td>-5°C to +65°C</td> </tr> <tr> <td>Silicone</td> <td>-30°C to +150°C</td> <td>-20°C to +65°C</td> </tr> <tr> <td>Fluorosilicone</td> <td>-50°C to +150°C</td> <td>-20°C to +65°C</td> </tr> </table>	O Ring Material	Limiting Temperature			Brass, mild steel or stainless steel	Nylon MDF2 900	None	-50°C to +150°C	-20°C to +65°C	Nitrile	-20°C to +80°C	-20°C to +65°C	EDPM (fitted as standard)	-30°C to +125°C	-20°C to +65°C	Neoprene	-20°C to +100°C	-20°C to +65°C	Viton	-5°C to +150°C	-5°C to +65°C	Silicone	-30°C to +150°C	-20°C to +65°C	Fluorosilicone	-50°C to +150°C	-20°C to +65°C
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IECEX CES 15.0006X	The coupling of the adaptors and plugs with the enclosures shall be made as indicated by the manufacturer in the documents annexed to this certificate in order respect the type of protection of the electrical apparatus on which the adaptors and plugs are mounted. The adaptors and plugs shall be installed in such a way that the temperature at the mounting point will remain within the following service temperature ranges: - -40°C to +100°C for adaptors and plugs - Limited up to +80°C for adaptors and plugs fitted with fibre washer The degree of protection IP 66/68 according to the IEC 60529 standard will be guaranteed for the adaptors and plugs if the holes into which adaptors and plugs are mounted are suitably sealed. To this scope the correct positioning of the gaskets (for cylindrical threads) or the application of sealant on the threads (for tapered threads), shall be done as indicated in the manufacturer instruction. Therefore it is the users' responsibility to ensure that the appropriate ingress protection level is maintained.																											

Annexe to: IECEx SIR 11.0155X Issue 2

Applicant: Stolway Holdings Pty Ltd

Apparatus: Type 'ST' Air conditioning units (HVAC)
Type 'ST' Water chiller units



Certificate	Specific Conditions Of Use
IECEX IBE 08.0001X	The operation of the switches and of the jack connector as well as the connecting and disconnecting of energised non-energy limited circuits is only permitted during installation, for maintenance or for repair purposes (see warning label)
IECEX IBE 10.0004X	Connecting and disconnecting of the connections of not intrinsically safe circuits under voltage is not permitted Only appropriate devices from Phoenix Contact may be connected at the configuration interface in Zone 2
IECEX IBE 10.0002X	Connecting and disconnecting of not intrinsically safe circuits are not allowed in energized state of the Isolating Amplifier MACX MCR-EX-SL-xNAM-yR-UP(-SP).
IECEX BVS 12.0050X	The installation of the Temperature Converters shall be carried out in such a way that the clearance of uninsulated conductors of intrinsically safe circuits to grounded metal parts of the enclosure are at least 3mm, and uninsulated conductors of non intrinsically safe circuits of other apparatus are situated at least 50mm from terminals for external intrinsically safe circuits, or are separated from them by an insulating barrier according to clause 6.2.1 of IEC60079-11:2012
IECEX BVS 10.0072X	The installation of DIN Rail Isolators of type series D5****, D5****-xxx shall be carried out in such a way that the clearances of un-insulated conductors of intrinsically safe circuits to grounded metal parts of the enclosure are at least 3 mm, and un-insulated conductors of non-intrinsically safe circuits of other apparatus are situated at least 50 mm from terminals for external intrinsically safe circuits, or are separated from them by an insulating barrier according to clause 6.2.1 of IEC 60079-11:2011.
IECEX PTB 07.0057X	For repair of the flamepaths joints due regard must be given to the structural specification provided by the manufacturer. Repair on the basis of the value in tables 1 and 2 of EN 60079-1 is not accepted.

Date: 04 April 2017

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Instructions for Safe Installation, Use & Maintenance

HVACR Assembly

IMPORTANT NOTE TO CUSTOMERS:

THESE INSTRUCTIONS MUST BE ISSUED OR DISTRIBUTED TO EACH INSTALLER OR END USER OF EACH HVACR ASSEMBLY.

1. Definitions

HVACR: Heating, Ventilation, Air Conditioning and/or Refrigeration assembly which includes water chillers.



2. Introduction

These safety instructions refer to installation, operation and maintenance of the Ex-protected HVACR.

The HVACR typically comprises Ex d compressor(s), Ex m solenoid(s), Ex e heater(s) in addition to several pre-certified components such as fan motors, electrical enclosures and intrinsically safe barriers. The HVACRs can be manufactured to many different configurations to suit the required application.

The HVACR can be certified to either IECEx and/or ATEX schemes and carries the following markings;

Manufacturer:	Stolway Pty Limited
Type:	Refer to relevant Operation & Maintenance Manual
Serial No.:	Refer to relevant Operation & Maintenance Manual
Certification code:	Refer to relevant Operation & Maintenance Manual
Ambient temperature rating:	Refer to relevant Operation & Maintenance Manual
Certificate number:	IECEX SIR 11.0155X (IECEX certificate) SIRA 11ATEX1356X (ATEX EC type examination certificate) SIRA 12ATEX4162X (ATEX type examination certificate)
Warning:	For electrical ratings, safety parameters and other warnings refer to individual equipment labels & certificates.

Other (ATEX EC Type only):	 "nnnn"  II 2 G
ATEX & IECEx:	Ex IIB+H2* T* Gb (* Gas Group, Temperature Classification and ambient temperature range are dependent on the equipment fitted.)

Note: "nnnn" refers to notified body providing quality.

Assembly certified to IEC 60079-0, IEC 60079-14, EN 60079-0, EN 60079-14



3. Pre-installation inspection

The following checks shall be conducted prior to installation of equipment:

- Check the equipment for any damage which may have occurred during transit or installation.
- Check the fan assemblies for freedom of obstruction and/or misalignment and each fan assembly should be spun by hand to ensure the fans are rotating freely and not coming into contact with surrounding fan shrouds and/or housings.
- Check all component mounting bolts for tightness (eg: motors, compressors). Re-tension as required.
- Check all cabling and glands for any damage and ensure cables are protected from stress, sharp edges and mechanical damage.
- Check electrical enclosure internals to ensure that all components are firm on their bases and have not been dislodged in transit.
- Check all earthing points for secure attachment.

4. Putting into service

WARNING

THE INSTALLATION OF THE EQUIPMENT MUST BE PERFORMED BY COMPETENT PERSONNEL.

ENSURE POWER IS ISOLATED ELSEWHERE PRIOR TO OPENING ANY ELECTRICAL ENCLOSURES OR MOTORS.

ALL INSTALLATION WORK SHALL BE PERFORMED TO THE APPROPRIATE REGULATORY STANDARDS.

For specific instructions related to HVACR pre-start setup and commissioning, refer to the relevant Operation & Maintenance Manual. Any work carried out on the HVACR in preparation for putting into service shall be carried out by competent personnel.

The following steps should be performed to ensure the equipment is ready to be put into service.

- Ensure the HVACR is installed in a location that it designed for regarding hazardous area classification and certification. Refer to individual HVACR certification marking.
- Ensure a correctly rated power supply is connected to the HVACR. For electrical ratings, refer to the relevant Operation & Maintenance Manual.
- Ensure the HVACR is properly connected to site earthing system. The connection shall be tested in accordance with local regulatory standards (typically IEC/EN 60079-14).
- Check all site installed cabling is properly connected. The connections shall be tested in accordance with local regulatory standards (typically IEC/EN 60079-14).



- Check all Ex d electrical enclosure flamepaths are in good condition
- Check all cable entry devices and blanking elements for completeness and tightness.
- Check all casing and guards on the HVACR are adequately secured, particularly the services access panels.
- Check all electrical enclosure covers have been secured and fastened.

Additional inspections as per IEC/EN 60079.17 shall also be carried out as necessary to ensure installation compliance with hazardous area standards.

5. Periodic Inspection

The periodic inspection of the HVACR assembly shall be carried out only by experienced personnel, whose training has included instruction on the relevant component discipline (eg: refrigeration, mechanical and/or electrical) and hazardous area standards.

The below are the recommended checks that should be carried out at periodic intervals in accordance with site specific requirements.

Check the following:

- Casing and guards are properly secured
- There are no visible unauthorized modifications
- There is no obvious damage to cables.
- Cable entry devices and any blanking elements are complete and tight
- Condition electrical enclosure gaskets is satisfactory
- Electrical connections are tight.
- Earthing connections are secure and in satisfactory condition.

For further information, refer to the relevant Operation & Maintenance Manual.

Additional inspections as per IEC/EN 60079.17 shall also be carried out as necessary to ensure ongoing installation compliance with hazardous area standards.



6. Maintenance

Repair or overhaul of any pre-certified hazardous area components is only permitted by a suitably competent & authorized workshop, which requires approval by the manufacturer of the pre-certified component. If in doubt, contact Stolway Holdings Pty Ltd for guidance.

For specific maintenance instructions related any pre-certified components within the HVACR unit, refer to the pre-certified component ex-certificate and instruction manual.

For general maintenance recommendations, refer to the relevant HVACR Operation & Maintenance Manual.

7. Service and Spare Parts

Please contact Stolway for any spare parts requirements. Contact details are as follows:

Stolway Pty Limited

Warehouse 2
91-95 Montague St
Wollongong
NSW 2500
Australia
Telephone: +61 (0)2 4262 3000
Facsimile: +61 (0)2 4262 3001
E-mail: spares@stolway.com.au
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