



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 BAS 11.0057	Page 1 of 5	<u>Certificate history:</u>
Status:	Current	Issue No: 8	Issue 7 (2021-06-18)
Date of Issue:	2023-04-12		Issue 6 (2020-08-06)
Applicant:	UNI-RAM Corporation 381 Bentley Street Markham Ontario L3R 9T2 Canada		Issue 5 (2019-11-26)
Equipment:	Type * Solvent Recyclers		Issue 4 (2017-05-17)
Optional accessory:			Issue 3 (2015-03-17)
Type of Protection:	Flameproof and intrinsically safe		Issue 2 (2014-01-23)
Marking:	Ex db ib IIA T2 Gb		Issue 1 (2013-01-17)
			Issue 0 (2012-12-12)

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:
(for printed version)

25/4/2023

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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:

SGS UK Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire SK17 9RZ
United Kingdom





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Manufacturer: **UNI-RAM Corporation**
381 Bentley Street
Markham
Ontario
L3R 9T2
Canada

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

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
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/BAS/ExTR11.0113/00](#)
[GB/BAS/ExTR14.0003/00](#)
[GB/BAS/ExTR18.0233/00](#)

[GB/BAS/ExTR12.0207/00](#)
[GB/BAS/ExTR14.0160/00](#)
[GB/BAS/ExTR20.0106/00](#)

[GB/BAS/ExTR12.0208/00](#)
[GB/BAS/ExTR16.0025/00](#)
[GB/BAS/ExTR22.0176/00](#)

Quality Assessment Report:

[GB/BAS/QAR12.0023/09](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type * Solvent Recyclers enclosure comprises fabricated galvanised steel framework having an external stainless steel sheet covering. The interior of the enclosure is divided to form upper and lower chambers. Fixed to the housing is a hinged cover provided to enclose the lid of the vessel.

The upper chamber houses an evaporation tank with an integral heating element incorporated into its base and a flameproof terminal box. The terminal box contains a backup thermal fuse set at +240°C or +260°C. The lid of the evaporation tank is designed to relieve pressure above the specified value of 0.5 lbf/in² to 1.0 lbf/in².

Piped connections to the upper part of the vessel are provided for the transfer of vapour to a condenser unit. The condenser consists of a coiled length of finned tube over which is forced air by means of a fan. The fan motor is to IECEx BAS 14.0182X. The liquid condensate flows out through a further flexible tube to a DIN61 plastic container / collection vessel located in the lower chamber.

A touch sensitive control panel is provided at the front of the housing which incorporates intrinsically safe control switches. Within the housing is a printed circuit board assembly providing power and control functions. The wiring between the electrical devices within the housing is affected by high temperature insulated cabling and flameproof glands to IECEx INE 10.0010X.

Models exists that are fitted with a motorised lid lock mechanism.

A cable entry hole is provided as specified on the certified drawings for the accommodation of a flameproof cable entry device, with or without the interposition of a flameproof thread adapter. The cable entry device and thread adapter shall be suitable for the equipment, the cable and the conditions of use and shall be IECEx certified as Equipment (not a Component).

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SPECIFIC CONDITIONS OF USE: NO



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Equipment (continued):

The voltage ratings, current ratings and marking codes for all models are shown below.

Model	Rated Supply (Volts a.c.)	Rated Current (Amps)
URS500CE	100-120	16.28 – 19.26
URS600CE	200-240	6.01 - 9.79
URS700CE	200-240	6.01 - 9.79
URS900CE	200-240	8.40 – 19.15
URS970CE	200-240	8.40 – 19.15
URS500EP2CE	100-120	16.28 – 19.26
URS600EP2CE	200-240	6.01 - 9.79
URS700EP2CE	200-240	6.01 - 9.79
URS900EP2CE	200-240	8.40 – 19.15
URS970EP2CE	200-240	8.40 – 19.15
BB30CE	200-240	8.40 – 19.15
BC30CE	200-240	8.40 – 19.15
URS1600CE	200-240	15.13 – 21.44
CB70CE	200-240	15.13 – 21.44
CC70CE	200-240	15.13 – 21.44
URS2000CE	200-240	16.12 – 29.25
DB100CE	200-240	16.12 – 29.25
DC100CE	200-240	16.12 – 29.25
COMBO605CE	100-120	16.28 – 19.26
COMBO655CE	100-120	16.28 – 19.26
COMBO606CE	200-240	6.01 - 9.79
COMBO656CE	200-240	6.01 - 9.79

Models exist that have different sized evaporations tanks, and/or combinations of pneumatic pumps. The pumps have not been assessed against the relevant non-electrical standards as part of this IECEX certification.

Models with suffix "S" have a stainless steel evaporation tank.

Models with suffix "SS" have stainless steel evaporation tank and a stainless steel condenser.

The voltage ratings, current ratings and marking codes for all models are shown below.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 8.1

To permit the use of an alternative PSU board and control board, the addition of three new models BC30CE CC30CE & DC30CE, and to confirm the use of IEC 60079-0:2017.

ExTR: **GB/BAS/ExTR22.0176/00**

File Reference: **22/0173**

Annex:

[IECEX BAS 11.0057 Annex1.pdf](#)

<p>SGS Baseefa Limited Rockhead Business Park Staden lane, Buxton, Derbyshire SK17 9RZ United Kingdom</p>		
<p>ANNEX to IECEX BAS 11.0057</p>	<p>Issue No. 1</p>	<p>Date: 5 April 2023</p>

This Annex contains information that may be of interest to users of this equipment. It does not form an integral part of the IECEX Certificate

Non-Electrical Risk Assessment

An EU Declaration of Conformity, in respect of the European ATEX Directive 2014/34/EU has been produced by the manufacturer and states that the Solvent Recycler models fitted with a dual diaphragm pneumatic pump have been assessed by the manufacturer against the relevant requirements of EN 80079-36:2016 and EN 80079-37:2016. These standards are technically identical to ISO 80079-36:2016 and ISO 80079-37:2016.

This assessment relates only to the models URSxxxEP2CE, BB30CE, BC30CE, CB70CE, CC70CE, DB100CE, DC100CE, URSxxxxCE & COMBO6XXCE.

A copy of the EU Declaration of Conformity is held on file by SGS Baseefa.