

EU - TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

EU - Type Examination Certificate Number: **Baseefa11ATEX0118 – Issue 6**

Product: **Type * Solvent Recycler**

Manufacturer: **Uni-ram Corporation**

Address: **381 Bentley Street, Markham, Ontario, L3R 9T2, Canada**

This re-issued certificate extends EU Type Examination Certificate No. Baseefa11ATEX0118 to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No. **See certificate history.**

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:


EN IEC 60079-0:2018 EN60079-1:2014 EN 60079-11:2012 EN 80079-36:2016 EN 80079-37:2016

except in respect of those requirements listed at item 18 of the Schedule.

If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of the product shall include the following :

 See schedule

SGS Fimko Oy Customer Reference No. **4354**

Project File No. **22/0173**

This document is issued by the Company subject to their General Conditions for Certification Services accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company’s findings at the time of their intervention only and within the limits of Client’s instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company’s sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Fimko Oy

Takomotie 8
FI-00380 Helsinki, Finland
Telephone +358 (0)9 696 361
e-mail sgs.fimko@sgs.com
web site www.sgs.fi

Business ID 0978538-5 Member of the SGS Group (SGA SA)



Tuomas Hänninen
SGS Fimko Oy

13

Schedule

14

Certificate Number Baseefa11ATEX0118 – Issue 6

15 Description of Product

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 Baseefa14ATEX0398X. The liquid condensate flows out through a further flexible tube to an optional 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 INERIS06ATEX0014X.

Some models 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 certified as Equipment (not a Component) under an EU Type Examination Certificate to Directive 2014/34/EU.

An EU Declaration of Conformity produced by the manufacturer states that the Solvent Recycler models with the suffix EP2 and Solvent Recycler models type COMBO6XXCE, BB30CE, BC30CE, CB70CE, CC70CE, DB100CE, DC100CE, URS1600CE & URS2000CE have been assessed by the manufacturer against the relevant requirements of EN 80079-36:2016 and EN 80079-37:2016, and based on this the EU declaration, these models may include the protection concept "h" in the marking code.

The markings of the different models are:-

⊕ II 2 G Ex db ib IIA T2 Gb (URS500CE, URS600CE, URS700CE & URS900CE/URS970CE models only)

⊕ II 2 G Ex db h ib IIA T2 Gb (URSxxxEP2CE, BB30CE, BC30CE, CB70CE, CC70CE, DB100CE, DC100CE, URSxxxCE & COMBO6XXCE models only)

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

Model	Rated Supply (Volts a.c.)	Rated Current (Amps)	Baseefa11ATEX0118
URS500CE	100-120	16.28 – 19.26	⊕ II2G Ex db ib IIA T2 Gb
URS600CE	200-240	6.01 - 9.79	⊕ II2G Ex db ib IIA T2 Gb
URS700CE	200-240	6.01 - 9.79	⊕ II2G Ex db ib IIA T2 Gb
URS900CE	200-240	8.40 – 19.15	⊕ II2G Ex db ib IIA T2 Gb
URS970CE	200-240	8.40 – 19.15	⊕ II2G Ex db ib IIA T2 Gb
URS500EP2CE	100-120	16.28 – 19.26	⊕ II2G Ex db h ib IIA T2 Gb
URS600EP2CE	200-240	6.01 - 9.79	⊕ II2G Ex db h ib IIA T2 Gb
URS700EP2CE	200-240	6.01 - 9.79	⊕ II2G Ex db h ib IIA T2 Gb
URS900EP2CE	200-240	8.40 – 19.15	⊕ II2G Ex db h ib IIA T2 Gb

Model	Rated Supply (Volts a.c.)	Rated Current (Amps)	Baseefa11ATEX0118
URS970EP2CE	200-240	8.40 – 19.15	⊕ II2G Ex db h ib IIA T2 Gb
BB30CE	200-240	8.40 – 19.15	⊕ II2G Ex db h ib IIA T2 Gb
BC30CE	200-240	8.40 – 19.15	⊕ II2G Ex db h ib IIA T2 Gb
URS1600CE	200-240	15.13 – 21.44	⊕ II2G Ex db h ib IIA T2 Gb
CB70CE	200-240	15.13 – 21.44	⊕ II2G Ex db h ib IIA T2 Gb
CC70CE	200-240	15.13 – 21.44	⊕ II2G Ex db h ib IIA T2 Gb
URS2000CE	200-240	16.12 – 29.25	⊕ II2G Ex db h ib IIA T2 Gb
DB100CE	200-240	16.12 – 29.25	⊕ II2G Ex db h ib IIA T2 Gb
DC100CE	200-240	16.12 – 29.25	⊕ II2G Ex db h ib IIA T2 Gb
COMBO605CE	100-120	16.28 – 19.26	⊕ II2G Ex db h ib IIA T2 Gb
COMBO655CE	100-120	16.28 – 19.26	⊕ II2G Ex db h ib IIA T2 Gb
COMBO606CE	200-240	6.01 - 9.79	⊕ II2G Ex db h ib IIA T2 Gb
COMBO656CE	200-240	6.01 - 9.79	⊕ II2G Ex db h ib IIA T2 Gb

Models exist that have different sized evaporations tanks, and/or combinations of pneumatic pumps.

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

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

16 Report Number

See certificate history.

17 Specific Conditions of Use

None.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
1.0.1 indent 1	Prevent formation of Explosive Atmospheres
1.2.7	LVD type requirements
1.2.8	Overloading of equipment (protection relays, etc.)
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
320-3450-SCH	1	D	2022/10	UNI-RAM PWRCTRL rD SMT version RFI EN61000
320-3450-BOM	1 to 5	D	10/2022	PWCTRLrecD_bomREVISED10_2022, applies to Uni-Ram part number: 320-3450 rev D / 975-3450 rev D
965-4310UCE-SCH	1	D	11/2021	CONTINUOUS RECYCLER POWER SUPPLY UNIVERSAL INPUT 80 @ 264 a.c.v 50/60 HZ IMPROVED IS BARRIER & COIL DRIVER, ATEX OPTOCOUPERS