



# Certificate of Compliance

**Nemko-CCL, Inc.**

**Certificate:** NA201410366

**Date Issued:** December 4, 2014

**Project:** 266983-7.1

**Issued to:** VELP Scientifica S.r.l  
Via Stazione  
16-20865 Usmate (MB)  
Italy

*The products listed below have been certified as being compliant with all applicable requirements of the specifications listed and are eligible to bear the following certification mark*



**Issued by:**

Robert Keller, Senior Engineer/Safety Supervisor

**Authorized by:**

Thomas Jackson, Certification Manager

## **PRODUCTS**

MEASUREMENT, CONTROL, OR LABORATORY EQUIPMENT – Certified to US and Canada Standards

**Product:** Heating plate and magnetic stirrer and accessories

**Model:** Code F20500410xx, Code F20510410xx, Code F20500411xx, Code F20510411xx, Code F20500412xx, Code F20510412xx, Code F20500413xx, Code F20510413xx, Code F20500400xx, Code F20510400xx, Code F20500162xx, Code F20510162xx, Code F20500421xx, Code F20500420xx, Code F20700430xx, Code F20710430xx, Code F20700431xx, Code F20710431xx, Code F208B0063xx, Code A00000227xx, Code A00000268xx (in the model name xx can be blank or two alphanumeric symbols indicating only a different front panel graphic)

**Ratings:** For models Code F20500410xx, Code F20500411xx, Code F20500412xx, Code F20500413xx, Code F20500400xx, Code F20500162xx: 630 W, 230 V~, 50-60 Hz, Class I. For models Code F20510410xx, Code F20510411xx, Code F20510412xx, Code F20510413xx, Code F20510400xx, Code F20510162xx: 630 W, 115 V~, 60 Hz, Class I. For models Code F20500421xx and Code F20500420xx: 2550 W, 230 V~, 50-60 Hz, Class I. For model Code F20700430xx: 1200 W, 230 V~, 50-60 Hz, Class I. For model Code F20710430xx: 1200 W, 115 V~, 50-60 Hz, Class I. For model Code F20700431xx: 600 W, 230 V~, 50-60 Hz, Class I. For model Code F20710431xx: 600 W, 115 V~, 50-60 Hz, Class I. For accessory Code F208B0063xx: 1.2 W, 12 Vdc from Heating

*The certification system, as described in ISO/IEC Guide 67 (Conformity Assessment – Fundamentals of Product Certification), most closely resembles System 3*

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plate and magnetic stirrers models: Code F20500410xx, Code F20510410xx, Code F20500412xx, Code F20510412xx, Code F20500413xx, Code F20510413xx, Code F20500400xx, Code F20510400xx and Code F20500421xx. For accessory Code A00000227xx: 1 W, 5 Vdc from Heating plate and magnetic stirrers models: Code F20500410xx, Code F20510410xx, Code F20500411xx, Code F20510411xx, Code F20500412xx and Code F20510412xx. For accessory Code A00000268xx: 1 W, 5 Vdc from Heating plate and magnetic stirrers models: Code F20500410xx, Code F20510410xx, Code F20500411xx, Code F20510411xx, Code F20500412xx and Code F20510412xx.

### **APPLICABLE REQUIREMENTS**

UL Std. No. 61010-1 2<sup>nd</sup> Edition - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements

CAN/CSA-C22.2 No. 61010-1-04 Second Edition - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements

CAN/CSA-C22.2 No. 61010-2-010-04 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 2-010: Particular Requirements for Laboratory Equipment for the Heating of Materials

CAN/CSA-C22.2 No. 61010-2-051-04 – Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 2-051: Particular Requirements for Laboratory Equipment for Mixing and Stirring

This certificate is issued on condition that the holder complies and will continue to comply with the requirements of the above mentioned specifications and pursuant to the terms and conditions specified in the Certification Agreement.

## Supplement to Certificate of Compliance

Certificate: NA201410366

Project: 266983-7.1

*Nemko-CCL grants a license to the applicant to apply the Certification Mark to the certified products and that the mark shall only be affixed at the following factory locations*

### Factory Information

Factory Name	Location
VELP Scientifica S.r.l	Via Stazione 16-20865 Usmate (MB) Italy

*The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.*

### Product Certification History

Project	Date	Description
261424-5.1	July 21, 2014	<b>Original Certification: Model:</b> Code F20500410; Code F20510410; Code F20500411; Code F20510411; Code F20500412; Code F20510412; Code F20500413; Code F20510413; Code F20500400; Code F20510400; Code F20500162; Code F20510162; Code F20500421; Code F20500420; Code F20700430; Code F20710430; Code F20700431; Code F20710431; Code F208B0063; Code A00000227; Code A00000268; Code F20500412CG; Code F20510412CG; Code F20500400CG; Code F20510400CG; Code F208B0063CG <b>Ratings:</b> Code F20500410; Code F20500411; Code F20500412; Code F20500413; Code F20500400; Code F20500162; Code F20500412CG; Code F20500400CG: 630 W, 230 V~, 50-60 Hz, Class I; Code F20510410; Code F20510411; Code F20510412; Code F20510413; Code F20510400; Code F20510162; Code F20510412CG; Code F20510400CG: 630 W, 115 V~, 60 Hz, Class I; Code F20500421; Code F20500420: 2550 W, 230 V~, 50-60 Hz, Class I; Code F20700430: 1200 W, 230 V~, 50-60 Hz, Class I; Code F20710430: 1200 W, 115 V~, 50-60 Hz, Class I; Code F20700431: 600 W, 230 V~, 50-60 Hz, Class I; Code F20710431: 600 W, 115 V~, 50-60 Hz, Class I; Code F208B0063; Code F208B0063CG: 1.2 W, 12 Vdc; Code A00000227; Code A00000268: 2 mA, 5 Vdc
266983-7.1	December 4, 2014	<b>Update:</b> Removed Models Code F20500412CG, Code F20510412CG, Code F20500400CG, Code F20510400CG and Code F208B0063CG. Added xx to the end of model names,

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indicating only a different front panel graphic. Equipment provided with a non-self-resetting over-temperature regulating system instead of a self-resetting over-temperature regulating system present before. For change described above small changes have been made on main board UM556.0 for AREX DIGITAL PRO, AREX DIGITAL and AREX 3 DIGITAL PRO models: introduction of a flip flop electronic system composed of two integrated circuits U11 and U12, diode D10, resistor R68 and of capacitors C40, C41, C42 on main board UM556.0; and on main boards 10006329 and 10006331 for AREX, AREX 3, ARE, AM4, RC2 and RC models: introduction of a flip flop electronic system composed of an integrated circuit U9, diode Z2, resistors R5, R9 and of capacitors C20, C47 on main boards 10006329 and 10006331. Introduction of these alternative components: 1. Internal mains terminal blocks model M093 manufactured by BM Spa (Velp code 10000699) mounted on AM4 and RC2 models. 2. Capacitors C1, C2, C3, C4 model DE1E3KX472MA5BA01 manufactured by Murata Mfg. Co. Ltd. Mounted on EMI filter board UM562.0-10006313 of AREX DIGITAL PRO, AREX DIGITAL and AREX 3 DIGITAL PRO models. Removing of alternative fuses model 5D series. All mains transformers, T1B1 used inside models AREX DIGITAL PRO, AREX DIGITAL and AREX 3 DIGITAL PRO and Mains transformer T1 used inside models AREX, AREX 3, ARE, AM4, RC2 and RC are provided with an internal PTC in series with primary windings. So the models name of mains transformers T1B1 have been corrected: from 230124, and 120124 to 230124 U, and 120124 U. Mains transformers T1 already had the correct models name. Fuses inside mains fuse holders mounted on RC2 and AM4 models have been considered user replaceable and for this reason has been introduced an alternative mains fuse holder, model FX 0417, manufactured by Elektron Technology Uk Limited. This mains fuse holder is mounted on AM4 model and on both RC2 models. Instead the older mains fuse holder, model FH001AF manufactured by Echo Electric Co. Ltd. Is mounted only on RC2 115 V~ model (as alternative) and only for USA and Canada countries. A warning marking has been introduced near appliance inlet for models AREX DIGITAL PRO, AREX DIGITAL, AREX 3 DIGITAL PRO, AREX 3, AREX 3, AREX, ARE and RC. Connectors for VTF or External probes have been tested according to IEC 60695-11-10 standard (that replaces IEC 60707 standard cited in sub-clause 9.2.1). Deviations for Switzerland have been introduced, so plugs for Switzerland have been added: model 76140 manufactured by International Configurations, Inc. for AREX DIGITAL PRO, AREX DIGITAL, AREX 3 DIGITAL PRO, AREX, AREX 3, ARE and RC models and model 76540 manufactured by International Configurations, Inc. for AM4 and RC2 models.

This Supplement forms an integral part of the Certificate of Compliance

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