Certificate of Compliance

Certificate: **NA201410366** **Date Issued:** July 17, 2020

Project: **402938-23.1**

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

Authorized by: Stuart Beck, Director of Certification

PRODUCTS

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

Product: Heating plate and magnetic stirrer and accessories
Model: Code F20500410xx or Code F20510410xx (main model)
Code F20500411xx or Code F20510411xx (variant)
Code F20500412xx or Code F20510412xx (variant)
Code F20500413xx or Code F20510413xx (variant)
Code F20500400xx or Code F20510400xx (variant)
Code F20500162xx or Code F20510162xx (variant)
Code F20500421xx (variant)
Code F20500420xx (variant)
Code F20500425xx (variant)
Code F20700430xx or Code F20710430xx (variant)
Code F20700431xx or Code F20710431xx (variant)
Code F208B0063xx (accessory)
Code A00000227xx (accessory)
Code A00000268xx (accessory)
Code A00000349xx (accessory)

Ratings: For models Code F20500410xx, Code F20500411xx, Code F20500412xx, Code F20500413xx, Code F20500400xx, Code F20500162xx: 630 W, 230 V~, 50-60 Hz, Class I equipment

For models Code F20510410xx, Code F20510411xx, Code F20510412xx, Code F20510413xx, Code F20510400xx, Code F20510162xx: 630 W, 115 V~, 60 Hz, Class I equipment

For models Code F20500421xx, Code F20500420xx and Code F20500425xx: 2550 W, 230 V~, 50-60 Hz, Class I equipment

For model Code F20700430xx: 1200 W, 230 V~, 50-60 Hz, Class I equipment

For model Code F20710430xx: 1200 W, 115 V~, 50-60 Hz, Class I equipment

For model Code F20700431xx: 600 W, 230 V~, 50-60 Hz, Class I equipment

For model Code F20710431xx: 600 W, 115 V~, 50-60 Hz, Class I equipment

For accessory Code F208B0063xx: 1.2 W, 12 Vdc from Heating plate and magnetic stirrers models: Code F20500410xx, Code F20510410xx, Code F20500412xx, Code F20510412xx, Code F20500413xx, Code F20510413xx, Code F20500400xx, Code F20510400xx, Code F20500421xx and Code F20500425xx

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, Code F20510412xx and Code F20500425xx

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, Code F20510412xx and Code F20500425xx

For accessory Code A00000349xx:1 W, 5 Vdc from Heating plate and magnetic stirrers models: Code F20500410xx, Code F20510410xx, Code F20500411xx, Code F20510411xx, Code F20500412xx, Code F20510412xx and Code F20500425xx

APPLICABLE REQUIREMENTS

UL Std. No. 61010-1 3rd Edition +Am1 – Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements

CAN/CSA-C22.2 No. 61010-1-12 +Am1 – Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements

Supplemental standards included in evaluation:

CSA C22.2 NO. 61010-2-010:19	Safety requirements for electrical equipment for measurement, control and laboratory use — Part 2-010: Particular requirements for laboratory equipment for the heating of materials (Adopted IEC 61010-2-010:2019, fourth edition, 2019-02, with Canadian deviations)
CSA C22.2 NO. 61010-2-051:15	Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 2-051: Particular requirements for laboratory equipment for mixing and stirring (Adopted IEC 61010-2-051:2015, Third edition, 2015-03, with Canadian deviations)
UL Std.No. 61010-2-10 4th Edition	Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 2-010: Particular Requirements for Laboratory Equipment for the Heating of Materials
UL Std. No. 61010-2-51 3rd Edition	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:** **402938-23.1**

Customer Number: 101740

Nemko North America 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	Factory Number	Location
VELP Scientifica S.r.l	101740	Via Stazione, 16 – 20865 Usmate (MB) Italy

Product Certification History

Project	Date	Description
261424-5.1	July 21, 2014	**Original Certification: Model:** 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 **Ratings:** 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	**Update:** Removed Models Code F20500412CG, Code F20510412CG, Code F20500400CG, Code F20510400CG and Code F208B0063CG. Added xx to the end of model names, 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.
382274-23.1	July 9, 2020	**Update:** - application of new standard version for IEC 61010-1, IEC 61010-2-010 and IEC 61010-2-051; - addition of new variant model AM4 DIGITAL PRO (rated 230 V~); - addition of new accessory Code A00000349xx; - addition of new alternative for stirring motor of models rated 230 V~ (for all models except RC2 and RC models since they haven't any motor); - addition of new alternative for stirring motor of models rated 115 V~ (for all models except RC2 and RC models since they haven't any motor); - update table of critical components due to new alternative stirring motors; - update table of critical components to insert the "interchangeable" where allowed.
402938-23.1	July 17, 2020	**Update:** Revise rating to include: For accessory Code A00000349xx:1 W, 5 Vdc from Heating plate and magnetic stirrers models: Code F20500410xx, Code F20510410xx, Code F20500411xx, Code F20510411xx, Code F20500412xx, Code F20510412xx and Code F20500425xx

This Supplement forms an integral part of the Certificate of Compliance