



# Certificate of Compliance

**Certificate:** NA201510460

**Date Issued:** February 4, 2020

**Project:** 382267-26.1

**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:**

S.C. Beck, Director of Certification

## PRODUCTS

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

**Product:** Magnetic Stirrer

**Model:** Code F203A0180xx, Code F203A0179xx, Code F203A0178xx, Code F203A0177xx, Code F204A0168xx, Code F204A0167xx, Code F206A0179xx, Code F203A0161xx, Code F203A0450xx, Code F203A0440xx, Code F203A0512xx, Code F203A0511xx, Code F203A0510xx, Code F203A0513xx (In the model name xx can be blank or two alphanumeric symbols indicating only a different front panel graphic)

**Ratings:** 9 W, 12 Vdc (Code F203A0180xx)

4.1 W, 12 Vdc (Code F203A0179xx)

9 W, 12 Vdc (Code F203A0178xx)

3.6 W, 12 Vdc (Code F203A0177xx)

15 W, 12 Vdc (Code F204A0168xx)

4 W, 12 Vdc (Code F204A0167xx)

6 W, 12 Vdc (Code F206A0179xx)

1.5 W, 12 Vdc (Code F203A0161xx)

1.5 W, 12 Vdc (Code F203A0440xx)

2.5 W, 12 Vdc (Code F203A0450xx)

5 W, 12 Vdc (Code F203A0510xx)





4.5 W, 12 Vdc (Code F203A0513xx)

Supplied from external Direct plug-in Power supply:

PHIHONG model PSAA20R-120L6

Input: 0.5 A, 100-240 V~, 50-60 Hz, class II equipment

Output: 1.67 A, 12 Vdc

10 W, 12 Vdc (Code F203A0512xx)

9 W, 12 Vdc (Code F203A0511xx)

Supplied from external Direct plug-in Power supply:

PHIHONG model PSAA30R-120

Input: 0.8 A, 100-240 V~, 50-60 Hz, class II equipment

Output: 2.5 A, 12 Vdc

### **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

### **Supplemental standards included in evaluation:**

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: NA201510460

Project: 382267-26.1

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
241360-5.1	May 20, 2015	<b>Original Certification: Model:</b> Code F203A0180xx, Code F203A0179xx, Code F203A0178xx, Code F203A0177xx, Code F204A0168xx, Code F204A0167xx, Code F206A0179xx, Code F203A0161xx, Code F203A0160xx. (In the model name xx can be blank or two alphanumeric symbols indicating only a different front panel graphic) <b>Ratings:</b> 9 W,12 Vdc (Code F203A0180xx, Code F203A0178xx), 4.1 W, 12 Vdc (Code F203A0179xx), 3.6 W,12 Vdc (Code F203A0177xx), 4.8 W,12 Vdc (Code F204A0168xx), 1.2 W,12 Vdc (Code F204A0167xx), 6 W,12 Vdc (Code F206A0179xx), 1 W,12 Vdc (Code F203A0161xx), 0.6 W,12 Vdc (Code F203A0160xx), From Direct plug-in PHIHONG model PSA15R-120P Input: 0.5 A, 100-240 V-, 50-60Hz, class II equipment Output: 1.25 A, 12 Vdc
307642-4.1	June 14, 2016	<b>Update:</b> Change external Direct plug-in power supply to mod. PSAA20R-120, manufactured by Phi-hong. Addition of <b>Models:</b> Code F203A0450xx, Code F203A0440xx <b>Ratings:</b> 0.6 W, 12 Vdc (Code F203A0440xx); 2.5 W, 12Vdc (Code F203A0450xx).



**Update:** Update of standard applied from IEC 61010-1:2001 and IEC 61010-2-051:2003 to IEC 61010-1:2010+A1:2016 and IEC 61010-2-051:2015.

- Code F203A0160xx (MST Magnetic stirrer) has been removed. Code F203A0440xx is now called MST Magnetic Stirrer or MST.
- Replacement of Direct plug-in power supply for all models with a new one (mod. PSAA20R-120L6, manufactured by Pihong Technology Co Ltd).
- Introduction of 4 new models (MSL 50 Digital, MSL 25 Digital, MSL 8 Digital, MSL 8). MSL 50 Digital, MSL 25 Digital are supplied by a different Direct plug-in power supply (mod. PSAA30R-120, manufactured by Pihong), MSL 8 Digital, MSL 8 are supplied by same Direct plug-in power supply used for other models (mod. PSAA20R-120L6).
- Introduction of generic alternative sources for PWB and internal low voltage conductors (interchangeable).
- Introduction of an alternative stirring motor (mod. B2418M, manufactured by Hengdrive) for Multistirrer Digital 15, Multistirrer 15, Multistirrer digital 6 and Multistirrer 6.
- Introduction of an alternative display (mod. CSOS-39107W-11, manufactured by CSBRIGHT) for electronic board 10006360\_G for Multistirrer Digital 15 and Multistirrer Digital 6.
- Introduction of an alternative electronic board (10006360) in place of 10006360\_G for Multistirrer Digital 15 and Multistirrer Digital 6
- Introduction of an alternative material (mod. Altuglas, manufactured by Arkema) for top part of plastic enclosure of AMI4 and AMI.
- Introduction of an alternative transistor (mod. DMN6069SE, manufactured by Diodes Incorporated) and alternative LEDs D2-D5 (mod. LTW-2835DZLS65.K22, manufactured by Lite-on Technology Corporation) on electronic board 10003472 for AMI4 and AMI.
- Change of rated power of AMI4 and AMI. Rated power of AMI4 is now 15 W instead of 4.8 W, rated power of AMI is now 4 W instead of 1.2 W.
- Introduction of an alternative stirring motor (mod. B2418M, manufactured by Hengdrive) for MST Digital.
- Modification of rated power of Microstirrer from 1 W



- to 1.5 W.
- Modification of rated power of MST (all versions) from 0.6 W to 1.5 W.

This Supplement forms an integral part of the Certificate of Compliance

