

# EHS<sup>2</sup>

Environmental, Health, and Safety Services, LLC

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Burlingame, CA 94011

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June 2, 2017

Mr. Marcelino Torres  
Heateflex Corporation  
405 E. Santa Clara St.  
Arcadia, CA 91006-7227

Document Number 170428.1 Rev. 1.0

**Re: Findings of the Heateflex Corp. Aquarius Series DI Water Heating System to Requirements of SEMI S2-0715 and SEMI S8-0915 (per supplier ergonomic success criteria checklist)**

Dear Mr. Torres,

Thank you for working with us to develop this report. Environmental Health and Safety Services, LLC (EHS<sup>2</sup>) is pleased to present this report for the Heateflex Corp. Aquarius Series DI Water Heating System.

On April 24<sup>th</sup> through 27<sup>th</sup>, 2017 EHS<sup>2</sup> performed an evaluation of the Heateflex Corp. Aquarius Series DI Water Heating System (serial number USA-DI0417-1) based on the requirements of SEMI S2-0715 for the purpose of determining conformance.

The equipment was initially found to have areas non-conforming to the requirements of the referenced Guidelines. Subsequent corrective actions or additional information have been provided and the system now conforms to the requirements of this guideline. The complete assessment is documented in the attached report.

Thank you for selecting EHS<sup>2</sup> to provide this evaluation and report. Please feel free to contact us with any questions regarding the report, the evaluation process, procedures, or any questions in general.

Best regards,



Mark A. Krauss, CLSO  
Principal Consultant

Attachment(s):

- 1) SEMI S2-0715
- 2) SESC Checklist

# EHS<sup>2</sup>

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June 2, 2017

Mr. Marcelino Torres  
**Heateflex Corporation**  
405 E. Santa Clara St.  
Arcadia, CA 91006-7227

Document Number: **170428.2 Rev. 1.0**

**Re: Findings of the Heateflex Corp. Aquarius Series DI Water Heating System to Requirements of SEMI S3-1211 - Safety Guideline for Process Liquid Heating Systems**

Dear Mr. Torres,

Thank you for working with us to develop this report. Environmental Health and Safety Services, LLC (EHS<sup>2</sup>) is pleased to present this report for the Heateflex Corp. Aquarius Series DI Water Heating System.

On April 24<sup>th</sup> through 27<sup>th</sup>, 2017 EHS<sup>2</sup> performed an evaluation of Heateflex Corp. Aquarius Series DI Water Heating System Serial Number USA-DI0417-1 based on the requirements of the SEMI S3-1211 Safety Guideline for Process Liquid Heating Systems for the purpose of determining conformance.

The equipment is found to conform to the requirements of the referenced Guidelines. The detailed report is attached for your reference.

Thank you for selecting EHS<sup>2</sup> to provide this evaluation and report. Please feel free to contact us with any questions regarding the report, the evaluation process, procedures, or any questions in general.

Note: Following is the legend for the responses:

O.K. = Conforms to Standard  
N/A = Not Applicable

Best regards,



Mark A. Krauss, CLSO  
Principal Consultant

# EHS<sup>2</sup>

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June 2, 2017

Mr. Marcelino Torres  
**Heateflex Corporation**  
405 E. Santa Clara St.  
Arcadia, CA 91006-7227

Document Number: **170428.3 Rev. 1.0**

**Re: Findings of the Heateflex Corp. Aquarius Series DI Water Heating System to Requirements of NFPA 79-2015– Electrical Standard for Industrial Machinery.**

Dear Mr. Torres,

Thank you for working with us to develop this report. Environmental Health and Safety Services, LLC (EHS<sup>2</sup>) is pleased to present this report for the Heateflex Corp. Aquarius Series DI Water Heating System.

On April 24<sup>th</sup> through 27<sup>th</sup>, 2017 EHS<sup>2</sup> performed an evaluation of the Heateflex Corp. Aquarius Series DI Water Heating System Serial Number USA-DI0417-1 based on the requirements of NFPA 79-2015– Electrical Standard for Industrial Machinery for the purpose of determining conformance.

The equipment is found to conform to the requirements of the referenced standard. The detailed report is provided for your use.

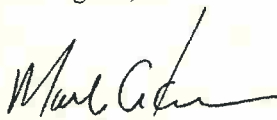
Thank you for selecting EHS<sup>2</sup> to provide this evaluation and report. Please feel free to contact us with any questions regarding the report, the evaluation process, procedures, or any questions in general.

Note: Following is the legend for the responses;

O.K. = Conforms to Standard

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Best regards,



Mark A. Krauss, CLSO  
Principal Consultant

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June 2, 2017

Mr. Marcelino Torres  
Heateflex Corporation  
405 E. Santa Clara St.  
Arcadia, CA 91006-7227

Document Number: 170428.4 Rev. 1.0

**Re: Findings of the Heateflex Corp. Aquarius Series DI Water Heating System to Requirements of UL 499-2014 Standard for Safety: Electric Heating Appliances**

Dear Name,

Thank you for working with us to develop this report. Environmental Health and Safety Services, LLC (EHS<sup>2</sup>) is pleased to present this report for the Heateflex Corp. Aquarius Series DI Water Heating System.

On April 24<sup>th</sup> through 27<sup>th</sup>, 2017 EHS<sup>2</sup> performed an evaluation of the Heateflex Corp. Aquarius Series DI Water Heating System Serial Number USA-DI0417-1, based on the requirements of the current edition of UL 499-2014 Standard for Safety: Electric Heating Appliances for the purpose of determining conformance.

The equipment was found to conform to the requirements of the referenced standard. The detailed report is attached for your reference.

Thank you for selecting EHS<sup>2</sup> to provide this evaluation and report. Please feel free to contact us with any questions regarding the report, the evaluation process, procedures, or any questions in general.

Note: Following is the legend for the responses;

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N/A = Not Applicable

Best regards,



Mark A. Krauss, CLSO  
Principal Consultant

# EHS<sup>2</sup>

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June 2, 2017

Mr. Marcelino Torres  
**Heateflex Corporation**  
405 E. Santa Clara St.  
Arcadia, CA 91006-7227

**Document Number: 170428.6 Rev. 1.0**

**Re: Findings of the Heateflex Corp. Aquarius Series DI Water Heating System Product to Requirements of Directive 2006/42/EC Machinery Directive Annex 1**

Dear Mr. Torres,

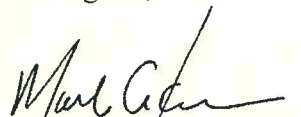
Thank you for working with us to develop this report. Environmental Health and Safety Services, LLC (EHS<sup>2</sup>) is pleased to present this report for the Heateflex Corp. Aquarius Series DI Water Heating System.

On April 24<sup>th</sup> through 27<sup>th</sup>, 2017 EHS<sup>2</sup> performed an evaluation of the Heateflex Corp. Aquarius Series DI Water Heating System Serial Number USA-DI0417-1 based on the requirements of Directive 2006/42/EC Machinery Directive Annex 1 for the purpose of determining conformance.

The equipment was found to conform to the requirements of the referenced Directive. The complete assessment is documented in the attached report.

Thank you for selecting EHS<sup>2</sup> to provide this evaluation and report. Please feel free to contact us with any questions regarding the report, the evaluation process, procedures, or any questions in general.

Best regards,

  
Mark A. Krauss, CLSO  
Principal Consultant

Attachment: Directive 2006/42/EC Machinery Directive Annex 1, EHS<sup>2</sup> Report Number 170428.6 Rev. 1.0

# EHS<sup>2</sup>

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8 May, 2017

Mr. Marcelino Torres  
**Heateflex Corporation**  
405 E. Santa Clara St.  
Arcadia, CA 91006-7227

**Document Number: 170428.7 Rev. 0.0**

**Re: Findings of the Heateflex Corp. Aquarius Series DI Water Heating System to Requirements of Directive 2014/35/EU Low Voltage Directive Annex 1**

Dear Name,

Thank you for working with us to develop this report. Environmental Health and Safety Services, LLC (EHS<sup>2</sup>) is pleased to present this report for the Heateflex Corp. Aquarius Series DI Water Heating System.

On April 24<sup>th</sup> through 27<sup>th</sup>, 2017 EHS<sup>2</sup> performed an evaluation of the Heateflex Corp. Aquarius Series DI Water Heating System Serial Number USA-DI0417-1, based on the requirements of Directive 2014/35/EU Low Voltage Directive Annex 1 for the purpose of determining conformance.

The equipment was found to conform to the requirements of the Directive. The report is attached for your reference.

Thank you for selecting EHS<sup>2</sup> to provide this evaluation and report. Please feel free to contact us with any questions regarding the report, the evaluation process, procedures, or any questions in general.

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N/A = Not Applicable

Best regards,



Mark A. Krauss, CLSO  
Principal Consultant

June 2, 2017

Mr. Marcelino Torres  
**Heateflex Corporation**  
405 E. Santa Clara St.  
Arcadia, CA 91006-7227

**Document Number: 170428.8 Rev. 1.0**

**Re: Findings of the Heateflex Corp. Aquarius Series DI Water Heating System to Requirements of IEC 60204-1:2016 Safety of Machinery – Electrical Equipment of Machines – Part 1: General Requirements**

Dear Mr. Torres,

Thank you for working with us to develop this report. Environmental Health and Safety Services, LLC (EHS<sup>2</sup>) is pleased to present this report for the Heateflex Corp. Aquarius Series DI Water Heating System.

On April 24<sup>th</sup> through 27<sup>th</sup>, 2017 EHS<sup>2</sup> performed an evaluation of the Heateflex Corp. Aquarius Series DI Water Heating System Serial Number USA-DI0417-1, based on the requirements of IEC 60204-1:2016 Safety of Machinery – Electrical Equipment of Machines – Part 1: General Requirements for the purpose of determining conformance.

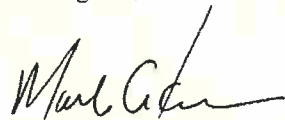
The equipment was found to conform to the requirements of the referenced standard. The detailed report is attached for your reference.

Thank you for selecting EHS<sup>2</sup> to provide this evaluation and report. Please feel free to contact us with any questions regarding the report, the evaluation process, procedures, or any questions in general.

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Principal Consultant

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June 2, 2017

Mr. Marcelino Torres  
**Heateflex Corporation**  
405 E. Santa Clara St.  
Arcadia, CA 91006-7227

Document Number: **170428.9 Rev. 1.0**

**Re: Findings of the Heateflex Corp. Aquarius Series DI Water Heating System to Requirements of IEC 60335-1 Household and similar electrical appliances -Safety – and IEC 60335-2-35 Part 2-35: Particular requirements for instantaneous water heaters**

Dear Name,

Thank you for working with us to develop this report. Environmental Health and Safety Services, LLC (EHS<sup>2</sup>) is pleased to present this report for the Heateflex Corp. Aquarius Series DI Water Heating System.

On April 24<sup>th</sup> through 27<sup>th</sup>, 2017 EHS<sup>2</sup> performed an evaluation of the Heateflex Corp. Aquarius Series DI Water Heating System Serial Number USA-DI0417-1 based on the requirements of IEC 60335-1 Household and similar electrical appliances –Safety and IEC 60335-2-35 2010-05 Household and similar electrical appliances -Safety - Part 2: Particular requirements for instantaneous water heaters for the purpose of determining conformance.

The equipment was found to conform to the requirements of the referenced standard. The detailed report is attached for your reference.

Thank you for selecting EHS<sup>2</sup> to provide this evaluation and report. Please feel free to contact us with any questions regarding the report, the evaluation process, procedures, or any questions in general.

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Best regards,



Mark A. Krauss, CLSO  
Principal Consultant