



**FORM WCCL-FA4  
WCCL CALIBRATION SUMMARY**

**AHRI CERTIFICATION PROGRAM FOR WATER-COOLED (WCCL)  
WATER CHILLING PACKAGES**

The purpose of this Form is to provide sufficient information so that a determination can be made of the range over which the calibration process achieves the required accuracy for each of the Systems listed.

**SYSTEM 1: LIQUID MASS FLOW RATE**

1. Using the Table below, list all instruments and data acquisition devices in the System.

Instrument/Device	Description	Manufacturer's Stated Accuracy

- What is the intended range- of-use for the System? (Upper – Lower): \_\_\_\_\_ - \_\_\_\_\_
- Was the System calibrated as a whole, or were each instruments/devices calibrated individually? (Check)
  - Whole System \_\_\_\_\_ (if checked, complete the Whole System Calibration Points section, below)
  - Individual Components \_\_\_\_\_ (if checked, complete the Individual Components section, below)

2. **Whole System Calibration Points:** Attach a completed AHRI Standard 550/590 (I-P) or AHRI Standard 551/591 (SI) Calibration Worksheet (found online at [www.ahrinet.org](http://www.ahrinet.org)).

- Does the System meet the required accuracy over the intended range-of-use? (Check)

YES: \_\_\_\_\_ NO: \_\_\_\_\_

3. **Individual Component Calibration Points:** For each Instrument/Device listed in the Table above, attach a completed AHRI Standard 550/590 (I-P) or AHRI Standard 551/591 (SI) Calibration Worksheet (found online at [www.ahrinet.org](http://www.ahrinet.org)).

- Does the System meet the required accuracy over the intended range-of-use? (Check)

YES: \_\_\_\_\_ NO: \_\_\_\_\_

- Describe the method of analysis used to make the determination of System accuracy:

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## SYSTEM 2: DIFFERENTIAL PRESSURE

1. Using the Table below, list all instruments and data acquisition devices in the System.

Instrument/Device	Description	Manufacturer's Stated Accuracy

- What is the intended range- of-use for the System? (Upper – Lower): \_\_\_\_\_ - \_\_\_\_\_
- Was the System calibrated as a whole, or were each instruments/devices calibrated individually? (Check)
  - Whole System \_\_\_\_\_ (if checked, complete the Whole System Calibration Points section, below)
  - Individual Components \_\_\_\_\_ (if checked, complete the Individual Components section, below)
- 2. **Whole System Calibration Points:** Attach a completed AHRI Standard 550/590 (I-P) or AHRI Standard 551/591 (SI) Calibration Worksheet.
  - Does the System meet the required accuracy over the intended range-of-use? (Check)  
YES: \_\_\_\_\_ NO: \_\_\_\_\_
- 3. **Individual Component Calibration Points:** For each Instrument/Device listed in the Table above, attach a completed AHRI Standard 550/590 (I-P) or AHRI Standard 551/591 (SI) Calibration Worksheet.
  - Does the System meet the required accuracy over the intended range-of-use? (Check)  
YES: \_\_\_\_\_ NO: \_\_\_\_\_
  - Describe the method of analysis used to make the determination of System accuracy:

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### SYSTEM 3: ELECTRICAL POWER

1. Using the Table below, list all instruments and data acquisition devices in the System.

Instrument/Device	Description	Manufacturer's Stated Accuracy

- What is the intended range- of-use for the System? (Upper – Lower): \_\_\_\_\_ - \_\_\_\_\_
- Was the System calibrated as a whole, or were each instruments/devices calibrated individually? (Check)
  - Whole System \_\_\_\_\_ (if checked, complete the Whole System Calibration Points section, below)
  - Individual Components \_\_\_\_\_ (if checked, complete the Individual Components section, below)
- 2. **Whole System Calibration Points:** Attach a completed AHRI Standard 550/590 (I-P) or AHRI Standard 551/591 (SI) Calibration Worksheet.
  - Does the System meet the required accuracy over the intended range-of-use? (Check)  
YES: \_\_\_\_\_ NO: \_\_\_\_\_
- 3. **Individual Component Calibration Points:** For each Instrument/Device listed in the Table above, attach a completed AHRI Standard 550/590 (I-P) or AHRI Standard 551/591 (SI) Calibration Worksheet.
  - Does the System meet the required accuracy over the intended range-of-use? (Check)  
YES: \_\_\_\_\_ NO: \_\_\_\_\_
  - Describe the method of analysis used to make the determination of System accuracy:

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## SYSTEM 4: LIQUID TEMPERATURE - ENTERING EVAPORATOR

1. Using the Table below, list all instruments and data acquisition devices in the System.

Instrument/Device	Description	Manufacturer's Stated Accuracy

- What is the intended range- of-use for the System? (Upper – Lower): \_\_\_\_\_ - \_\_\_\_\_
- Was the System calibrated as a whole, or were each instruments/devices calibrated individually? (Check)
  - Whole System \_\_\_\_\_ (if checked, complete the Whole System Calibration Points section, below)
  - Individual Components \_\_\_\_\_ (if checked, complete the Individual Components section, below)
- 2. **Whole System Calibration Points:** Attach a completed AHRI Standard 550/590 (I-P) or AHRI Standard 551/591 (SI) Calibration Worksheet.
  - Does the System meet the required accuracy over the intended range-of-use? (Check)  
YES: \_\_\_\_\_ NO: \_\_\_\_\_
- 3. **Individual Component Calibration Points:** For each Instrument/Device listed in the Table above, attach a completed AHRI Standard 550/590 (I-P) or AHRI Standard 551/591 (SI) Calibration Worksheet.
  - Does the System meet the required accuracy over the intended range-of-use? (Check)  
YES: \_\_\_\_\_ NO: \_\_\_\_\_
  - Describe the method of analysis used to make the determination of System accuracy:

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## SYSTEM 5: LIQUID TEMPERATURE - LEAVING EVAPORATOR

1. Using the Table below, list all instruments and data acquisition devices in the System.

Instrument/Device	Description	Manufacturer's Stated Accuracy

- What is the intended range- of-use for the System? (Upper – Lower): \_\_\_\_\_ - \_\_\_\_\_
- Was the System calibrated as a whole, or were each instruments/devices calibrated individually? (Check)
  - Whole System \_\_\_\_\_ (if checked, complete the Whole System Calibration Points section, below)
  - Individual Components \_\_\_\_\_ (if checked, complete the Individual Components section, below)
- 2. **Whole System Calibration Points:** Attach a completed AHRI Standard 550/590 (I-P) or AHRI Standard 551/591 (SI) Calibration Worksheet.
  - Does the System meet the required accuracy over the intended range-of-use? (Check)  
YES: \_\_\_\_\_ NO: \_\_\_\_\_
- 3. **Individual Component Calibration Points:** For each Instrument/Device listed in the Table above, attach a completed AHRI Standard 550/590 (I-P) or AHRI Standard 551/591 (SI) Calibration Worksheet.
  - Does the System meet the required accuracy over the intended range-of-use? (Check)  
YES: \_\_\_\_\_ NO: \_\_\_\_\_
  - Describe the method of analysis used to make the determination of System accuracy:

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## SYSTEM 6: LIQUID TEMPERATURE: ENTERING CONDENSER

1. Using the Table below, list all instruments and data acquisition devices in the System.

Instrument/Device	Description	Manufacturer's Stated Accuracy

- What is the intended range- of-use for the System? (Upper – Lower): \_\_\_\_\_ - \_\_\_\_\_
- Was the System calibrated as a whole, or were each instruments/devices calibrated individually? (Check)
  - Whole System \_\_\_\_\_ (if checked, complete the Whole System Calibration Points section, below)
  - Individual Components \_\_\_\_\_ (if checked, complete the Individual Components section, below)
- 2. **Whole System Calibration Points:** Attach a completed AHRI Standard 550/590 (I-P) or AHRI Standard 551/591 (SI) Calibration Worksheet.
  - Does the System meet the required accuracy over the intended range-of-use? (Check)  
YES: \_\_\_\_\_ NO: \_\_\_\_\_
- 3. **Individual Component Calibration Points:** For each Instrument/Device listed in the Table above, attach a completed AHRI Standard 550/590 (I-P) or AHRI Standard 551/591 (SI) Calibration Worksheet.
  - Does the System meet the required accuracy over the intended range-of-use? (Check)  
YES: \_\_\_\_\_ NO: \_\_\_\_\_
  - Describe the method of analysis used to make the determination of System accuracy:

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## SYSTEM 7: LIQUID TEMPERATURE: LEAVING CONDENSER

1. Using the Table below, list all instruments and data acquisition devices in the System.

Instrument/Device	Description	Manufacturer's Stated Accuracy

- What is the intended range- of-use for the System? (Upper – Lower): \_\_\_\_\_ - \_\_\_\_\_
- Was the System calibrated as a whole, or were each instruments/devices calibrated individually? (Check)
  - Whole System \_\_\_\_\_ (if checked, complete the Whole System Calibration Points section, below)
  - Individual Components \_\_\_\_\_ (if checked, complete the Individual Components section, below)
- 2. **Whole System Calibration Points:** Attach a completed AHRI Standard 550/590 (I-P) or AHRI Standard 551/591 (SI) Calibration Worksheet.
  - Does the System meet the required accuracy over the intended range-of-use? (Check)  
YES: \_\_\_\_\_ NO: \_\_\_\_\_
- 3. **Individual Component Calibration Points:** For each Instrument/Device listed in the Table above, attach a completed AHRI Standard 550/590 (I-P) or AHRI Standard 551/591 (SI) Calibration Worksheet.
  - Does the System meet the required accuracy over the intended range-of-use? (Check)  
YES: \_\_\_\_\_ NO: \_\_\_\_\_
  - Describe the method of analysis used to make the determination of System accuracy:

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