



**FORM ACCL-FA4  
ACCL CALIBRATION SUMMARY**

**AHRI CERTIFICATION PROGRAM FOR AIR-COOLED (ACCL)  
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, INSTRUMENT SET #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)
- 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: \_\_\_\_\_

- 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:

---



---



---

**SYSTEM 2: LIQUID MASS FLOW RATE, INSTRUMENT SET #2**

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).

- 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:

---



---



---

### SYSTEM 3: 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:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**SYSTEM 4: ELECTRICAL POWER, INSTRUMENT SET #1**

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:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**SYSTEM 5: ELECTRICAL POWER, INSTRUMENT SET #2**

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:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## SYSTEM 6: BAROMETRIC 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:

---



---



---

**SYSTEM 7: LIQUID TEMPERATURE - ENTERING EVAPORATOR, INSTRUMENT SET #1**

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:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**SYSTEM 8: LIQUID TEMPERATURE - ENTERING EVAPORATOR, INSTRUMENT SET #2**

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:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



**SYSTEM 9: LIQUID TEMPERATURE - LEAVING EVAPORATOR, INSTRUMENT SET #1**

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:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**SYSTEM 10: LIQUID TEMPERATURE - LEAVING EVAPORATOR, INSTRUMENT SET #2**

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:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**SYSTEM 11: AIR TEMPERATURE - CONDENSER, ASPIRATING PSYCHROMETER #1**

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:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**SYSTEM 12: AIR TEMPERATURE - CONDENSER, ASPIRATING PSYCHROMETER #2 (complete if required)**

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:

---



---



---

**SYSTEM 13: AIR TEMPERATURE - CONDENSER, ASPIRATING PSYCHROMETER #3 (complete if required)**

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:

---



---



---

**SYSTEM 14: AIR TEMPERATURE - CONDENSER, ASPIRATING PSYCHROMETER #4 (complete if required)**

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:

---



---



---

**SYSTEM 15: AIR TEMPERATURE - CONDENSER, ASPIRATING PSYCHROMETER #5 (complete if required)**

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:

---



---



---

**SYSTEM 16: AIR TEMPERATURE - CONDENSER, ASPIRATING PSYCHROMETER #6 (complete if required)**

4. 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)

5. **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: \_\_\_\_\_

6. **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:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_