



YIA WITH OPTIVIEW™ ABSORPTION CHILLER

INSTALLATION CHECKLIST

Supersedes 155.21-CL1 (413)

Form 155.21-CL1 (117)

INSTALLATION CHECKLIST AND REQUEST FOR AUTHORIZED STARTUP ENGINEER

CUSTOMER: _____

JOB NAME: _____

ADDRESS: _____

LOCATION: _____

PHONE: _____

CUSTOMER ORDER NO: _____

JCI TEL NO: _____

JCI ORDER NO: _____

JCI CONTRACT NO: _____

CHILLER MODEL NO: _____

UNIT SERIAL NO: _____

The work (as checked below) is in process and will be completed by: _____ / _____ / _____
Month Day Year

The following work must be completed in accordance with installation instructions:

A. GENERAL

- 1. All major pieces, boxes and crates are received
- 2. No visible signs of damage
- 3. With a local Johnson Controls Service Representative present, open all containers and check for contents against packing list
- 4. All damage or sign of possible damage have been reported to the transportation company
- 5. Unit mounted on a floor level to 1/4"
- 6. Unit located in accordance with the minimum clearance dimensions as recommended
- 7. Isolation pads under all four feet, as required
- 8. If shipped in two sections, unit assembled under Johnson Controls supervision
- 9. Unit installed in an area protected from weather and maintained at a temperature above freezing

B. PIPING

- 1. Condenser water piping installed between condenser, pumps and cooling tower (Incl. Cross-over Line).....
- 2. Chilled water piping installed between cooler, pumps and cooling coils
- 3. Steam or hot water piping installed between unit and source of supply
- 4. Condensate traps and removal system installed
- 5. Make-up and fill lines installed to cooling tower and chilled water system
- 6. All thermometer wells and gauge connections installed in chilled and condenser water lines - trimmed as necessary

- 7. Check all water piping checking for strain – Piping should not spring when connections are broken at unit
- 8. Water piping leak tested and flushed, and water strainers cleaned after flushing
- 9. Piping systems filled with water and trapped air vented
- 10. Chilled and condenser water, hot water or steam flow available to meet unit design requirements.
- 11. Pressure relief devices if used are vented per all applicable codes

C. ELECTRICAL WIRING

- 1. Main and control power supply available
- 2. Wiring completed from main power supply to power panel – but not cut to final length or connected to panel
- 3. External control wiring completed from Control Center to flow switch(es), pump motor starters, etc. in accordance with YORK wiring diagram (155.21-W1) ..
- 4. Power available and wiring completed to the following starters and motors:
 - NOTE: Do NOT check unit pump motors rotation.
 - a. Chilled water pumps
 - b. Condenser water pumps
 - c. Cooling tower fan (if used)
- 5. Meg-ohm meter available for checking motor windings

D. TESTING EVACUATING AND CHARGING

(Under Johnson Controls Supervision Only.)

- 1. R-22 available for testing (field re-assembled units only).....
- 2. Dry Nitrogen available for testing (field re-assembled units only).....
- 3. YORK Lithium Bromide charge available for charging.....
- 4. 2-Ethyl/Hexanol additive is at the job site

Owner's operating personnel:

Name: _____

Phone Number: _____

Name: _____

Phone Number: _____

Name: _____

Phone Number: _____

E. CONDITIONS

- 1. YORK purge pump oil available on job
- 2. Cooling load available for testing and operating the unit
- 3. Personnel available for final wiring connections
- 4. Personnel available for start-up and testing
- 5. Owner's operating personnel available for instruction

CONTRACTOR'S RESPONSIBILITIES AND INSTRUCTIONS TO USE FORM

This installation checklist provides a quick way to check if all necessary installation work was completed in accordance with all applicable installation instructions. When completed, acts as a request for Johnson Controls to furnish start-up supervision.

Complete this form as follows:

- 1. Fill out the top of the page.
- 2. Check off each item as required. Cross out (x) items that do not apply.
- 3. Enter names, initials, and date of the operating personnel who completed the checklist.
- 4. **Bottom of Form:** Enter the date that the Johnson Controls start-up technician should be at the job site and the name(s) of the supervisor(s) to be contacted.
- 5. Retain one copy in files and send one copy to customer.

With reference to the terms of the above contract, we are requesting the presence of your JCI Authorized Representative at the job site on _____ / _____ / _____ to start the system and instruct operating personnel. Have the JCI representative contact: _____
Month Day Year Name/Phone

We understand that the services of the Johnson Controls Authorized Representative will be furnished in accordance with the contract for a period of time of not more than _____ consecutive normal working hours, and we agree that a charge of _____ per diem plus travel expenses will be made to Johnson Controls if services are required for longer than _____ consecutive normal hours or if repeated calls are required, through no fault of Johnson Controls.

Customer/Contractor Signature: _____

Title: _____

Form Completed by: _____

