



Walk-in & Refrigeration Startup Checklist

To be returned to American Panel at completion of start-up. Please complete one start-up form for each refrigeration system

Required Information

APC Serial# _____

Evap model# _____ Serial# _____

Condensing unit model# _____ Serial # _____

Site address _____

City _____ State _____ Zip _____

Installing contractor _____

Start-up Technician _____ Start-up Date _____

Voltage

Condensing Unit

Incoming voltage (3 phase units): L1-L2 _____ L1-L3 _____ L2-L3 _____

Running voltage (3 phase units): L1-L2 _____ L1-L3 _____ L2-L3 _____

Incoming voltage (1 phase units): L1-L2 _____

Running voltage (1 phase units): L1-L2 _____

Evaporator

Incoming voltage (3 phase units): L1-L2 _____ L1-L3 _____ L2-L3 _____

Running voltage (3 phase units): L1-L2 _____ L1-L3 _____ L2-L3 _____

Incoming voltage (1 phase units): L1-L2 _____

Running voltage (1 phase units): L1-L2 _____

Amperage

Condensor Fans: Rated amps _____ Running Amps: Motor #1 _____ Motor #2 _____

Evaporator motor: Rated amps _____ Running Amps: Motor #1 _____ Motor #2 _____

*** if more than (2) motors, please use empty space below for additional info***

Compressor: Rated amps _____ Running amps _____

Defrost heaters: Rated amps _____ Running amps _____



Refrigeration

Measure after 15 minutes of run time

Refrigerant Type _____

Suction pressure _____ Suction temperature _____

Superheat at evap _____ Superheat at CU _____

Discharge pressure _____ Discharge temperature _____ Subcooling _____

Is sight glass clear: Yes No

Is suction line insulated from evaporator outlet to compressor: Yes No

Defrost

Defrost control: Time clock Electronic controller

Electronic controller defrost style: Timed Smart Demand

Set # of defrosts: _____

Defrost schedule: _____

Defrost termination time: _____ Defrost termination temp: _____

Low Voltage Connections

Does this system require a low voltage connection per the manufacturer's installation instructions:

Yes No

Were ALL low voltage interconnections made with interconnectivity/communication between equipment: Yes No

Electronic Evaporator Controller - NA

Box temp set point: _____ Box set-point differential: _____ Superheat set point: _____

Mechanical Temperature Control - NA

Box temp set point: _____ Box set-point differential: _____

Window/Door Heater

Door heater amps: _____ Window heater amps: _____

Did system cycle off at temp and pump down: Yes No



Non-Mechanical Components

- Walk-in is square and level
- Wall panels are plumb and square
- Ceiling panels are flush with the wall panels
- All wall, ceiling and floor gaskets are intact, aligned and compressed to seal fully
- All cam-locks are engaged and plug hole buttons are in place
- Any gaps under screed or floor angle (due to shimming) must be sealed completely
- All penetrations are insulated and sealed
- Door has equal reveal on all sides
- Door closes as designed
- Door frame plumb, level, and square
- Heater wire is operating properly NOTE: circuit does not activate until walk-in is below 45°
- Door gaskets seal properly
- Door sweep makes contact with threshold plate correctly
- Threshold screws are installed correctly
- Make sure that all operational equipment supplied has been installed properly
- Thermometer or monitor is reading accurately
- Lights and switches are functioning properly and wired per local code
- Leak check all refrigeration equipment and connections
- All refrigeration controls set to specifications and operating properly
- Condensate drain correctly installed per local code and per plumbing plan/shelving layout (per GC)
- Compressor mounting bolts loosened (on semi-hermetic units only)
- Panel ID labels removed
- Overall appearance of walk-in has been inspected and cleaned if required
- Area cleared of all packing material and debris and disposed of properly
- Verify lock keys work and are provided to customer
- Job number, date of installation, and installer documented & warranty registration complete

Please note that completion and submittal of start-up sheets are required for payment of installation and warranty registration. Failure to return start-up sheets will result in default warranty start date based on the date of shipping.

Please return completed checklist to American Panel Service Team at : **service@americanpanel.com**

Verified by:

General Contractor Print

Installer Print

General Contractor Signature

Installer Signature