

# QUEST 100

For complete product  
information, scan here:



## READ AND SAVE THESE INSTRUCTIONS

FOR A COMPLETE MANUAL, GO TO [QUESTCLIMATE.COM/MANUALS](http://QUESTCLIMATE.COM/MANUALS)

This guide is provided to acquaint you with the dehumidifier so that installation, operation and maintenance can proceed successfully. Ultimate satisfaction depends on the quality of installation and a thorough understanding of this equipment. The dehumidifier is built around tested engineering principles and has passed a thorough inspection for quality of workmanship and function.

# ASSEMBLY & INSTALLATION

Thanks for purchasing a Quest 100 dehumidifier. For a complete manual, visit [QuestClimate.com/manuals](http://QuestClimate.com/manuals). Please follow these steps to successfully assemble and install your new dehumidifier.

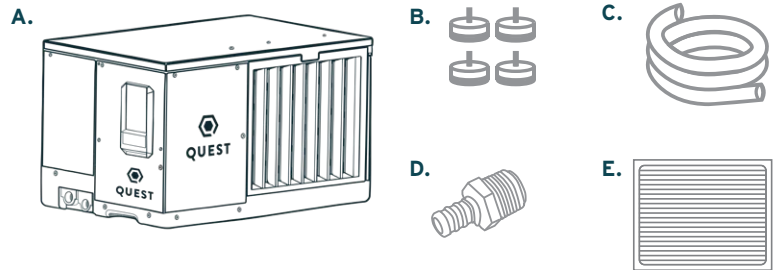
## 1 UNPACK BOX

⚠ **IMPORTANT!** RETAIN SHEET OF CARDBOARD UNDER MACHINE TO PREVENT SCRATCHING.

## 2 REGISTER WARRANTY AT THERMASTOR.COM/REGISTRATION

## 3 CHECK THAT YOU HAVE ALL PARTS:

- A. Dehumidifier (1)
- B. Leveling Feet (4)
- C. Drain Hose (1)
- D. Drain Adapter (1)  
3/4" NPT PVC to 5/8" Hose Barb
- E. Filter (1)  
1" x 12" x 14"



QUEST DEHUMIDIFIERS CAN RUN WITHOUT ADDITIONAL ACCESSORIES. DEPENDING ON INSTALLATION, YOU MAY REQUIRE ADDITIONAL PARTS. SEE STEP 13 FOR ADDITIONAL INFORMATION.

## 4 READ ALL REMAINING STEPS AND WARNINGS BEFORE CONTINUING

## 5 DECIDE WHERE TO PLACE UNIT IN THE ROOM



**WARNING!** Don't block airflow inlet. Outlet must be at least 24 inches from walls and other obstructions. If there is not enough clearance there will be a restriction in airflow and performance.

## 6 CHOOSE WHETHER TO PLACE ON FLOOR OR HANG DEHUMIDIFIER



**WARNING!** Internal stops limit feet height. Do not tighten feet beyond the resistance provided by stops.

### A. IF YOU PLACE ON FLOOR:

Attach leveling feet. Place rivnut plugs over hang kit holes on top of unit.

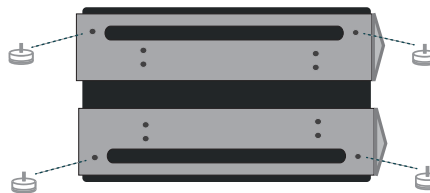


\*Recommend 4" off ground. See manual for details.

### B. IF YOU HANG DEHUMIDIFIER:

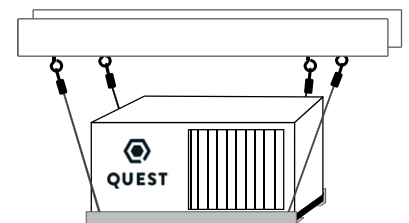
USE 2 BRACKETS PER UNIT.

\*Brackets sold separately.

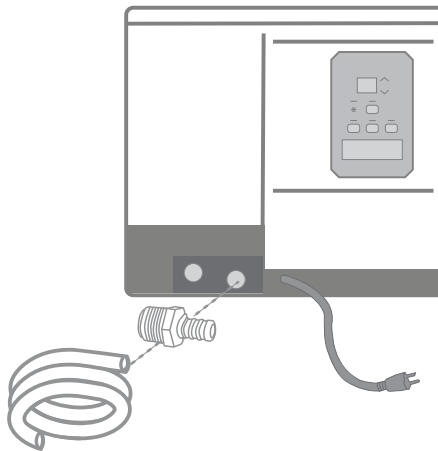


\*Leveling feet hold bracket in place.

EXAMPLE OF HANGING OPTION:



- 7** INSERT DRAIN ADAPTER AND ATTACH DRAIN HOSE\* TO PRIMARY DRAIN PORT.  
(Located lower, nearest to cord.)

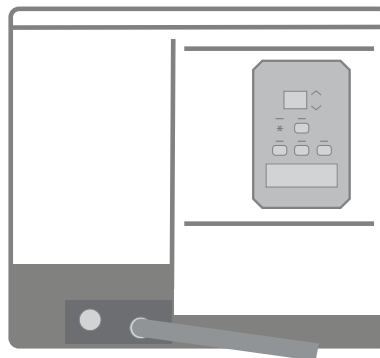


\* You can use provided hose, or install PVC to route water.

- 8** INSTALL NORMALLY-CLOSED FLOAT SWITCH TO SECONDARY DRAIN PORT FOR OVERFLOW PROTECTION (OPTIONAL).  
See manual for details.

- 9** OUTPUT TO DRAIN OR BUCKET.

- A. If you need water to travel a further distance, see Section 13 on how to order a pump kit.
- B. See manual for more details.



- 10** VERIFY WALL OUTLET IS CORRECT VOLTAGE AND AMPERAGE.

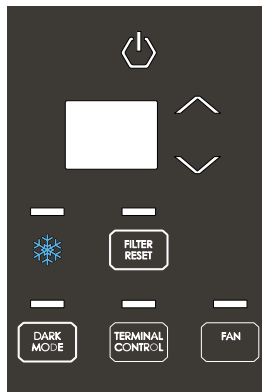
- 11** PLUG IN UNIT TO DEDICATED 15 AMP CIRCUIT.

Specifications @ 80 F / 60% RH	
<b>UNIT</b>	<b>QUEST 100</b> 4041870
<b>Blower</b>	280 CFM @ 0.0" WG
<b>Supply Voltage (VAC)</b>	120V
<b>Current Draw (Amps)</b>	5.0
<b>Operating Temperature</b>	56 F - 95 F
<b>Air Filter (MERV-13)</b>	Size: 12" x 14" x 1"
<b>Weight (lbs)</b>	60
<b>Capacity (Pints/Day)</b>	100
<b>Efficiency (Pints/kWh)</b>	7.5
<b>Power Cord</b>	9', 115 VAC, NEMA 5-15P



## 12 ADJUST HUMIDITY.

- A. Use the up and down arrows on the control board to set desired relative humidity. 50% is recommended.
- B. Press and release terminal control button until light is not illuminated for control board.



### DEFROST LIGHT

The light over the snowflake will light up when defrost is occurring (ice is detected on coils). Temperature is too cold and/or conditions are too dry.



### DARK MODE

Pressing the dark mode button will turn off all lighting on the control. Dark Mode will last until any button on the control is pressed. Once a button is pressed, the control will light up for 10 seconds following last button push. When the control is lit up, pressing the Dark Mode button will turn off Dark Mode.



### TERMINAL CONTROL

This must be activated when an external control is used to control RH. When terminal control is active, the internal RH sensor is disabled.



### FILTER RESET

Filter reset button will light up after the fan has been running for 2,000 hours indicating that the filter must be changed.



### FAN

Pressing the Fan button alternates between 3 fan modes.

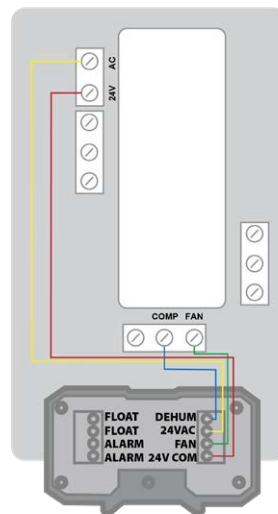
**Hi(gh)**- Increased fan speed to be used exclusively in ducted applications.

**Au(to)**- Default fan speed.

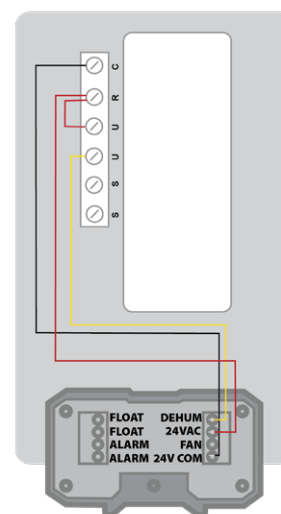
**Lo(w)**- Decreased fan speed that lowers the volume and performance of the unit.

- C. If you prefer external controls, you can source any 24v controller, or see section 13 below on how to order from Quest.

QUEST DEH 3000R CONTROL WIRING DIAGRAM



HONEYWELL HUMIDIPRO WIRING DIAGRAM



## 13 ACCESSORIES

To purchase additional accessories for your system, visit [QuestClimate.com/Product-Category/Accessories/All-Accessories/](http://QuestClimate.com/Product-Category/Accessories/All-Accessories/)

- A. **Replacement Filter:** Change filters each grow cycle for maximum performance.
- B. **Brackets:** Recommended for hanging the dehumidifier overhead.
- C. **Pump Kit:** Allows for draining and transferring water when the unit is not hard plumbed or near a drain.
- D. **External Control:** Ideal for overhead installation or with duct work.
- E. **Intake Duct Kit:** Dehumidifies air directly from a remote area.
- F. **Exhaust Duct Kit:** Provides dehumidified air directly to remote area.

## READ AND SAVE THESE INSTRUCTIONS

- The device is designed to be installed INDOORS IN A SPACE THAT IS PROTECTED FROM RAIN AND FLOODING.
- Install the unit with space to access the back or side panels for maintenance and service. DO NOT INSTALL UNIT WITH THE SERVICE PANELS INACCESSIBLE.
- Avoid directing the discharge air at people, or over the water in pool areas.
- If used near a pool, spa or water; be certain there is NO chance the unit could fall into the water, be splashed and that it is plugged into an outlet that is a GROUND FAULT INTERRUPT protected circuit.
- DO NOT use the device as a bench or table.
- DO NOT place the device directly on structural members. Provide vibration isolation in order to minimize operational vibration and/or noise.
- A drain pan MUST be placed under the unit if installed above a living area or above an area where water leakage could cause damage
- Never operate a unit with a damaged power cord. If the power cord is damaged it must be replaced by the manufacturer, its service agent, or similarly qualified person in order to avoid a hazard.
- Make all electrical connections in accordance with the current edition of the NEC ANSI/NFPA 70 and any national and local codes or ordinances that may apply.
- Do not obstruct the air intake and exhaust. Maintain a .3 m (1 ft) clearance around the air intake and exhaust.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

## LIMITED WARRANTY

SERIAL NUMBER \_\_\_\_\_

PART NUMBER \_\_\_\_\_

**REGISTER YOUR NEW PRODUCT**  
using the serial number and part number at  
[www.thermastor.com/registration](http://www.thermastor.com/registration)  
or scan code to the right



**WHO IS COVERED:** This warranty extends only to the original end-user of the Quest dehumidifier, and may not be assigned or transferred.

**FIRST YEAR WARRANTY:** Therma-Stor LLC warrants that for one (1) year the Quest dehumidifier will operate free from any defects in materials and workmanship, or Therma-Stor LLC will, at its option, repair or replace the defective part(s), free of any charge.

**SECOND THROUGH FIFTH YEAR WARRANTY:** Therma-Stor LLC further warrants that for a period of five (5) years, the condenser, evaporator and compressor of the Quest dehumidifier will operate free of any defects in material or workmanship, or Therma-Stor LLC, at its option, will repair or replace the defective part(s), provided that all labor and transportation charges for the part(s) shall be borne by the end-user.

**END-USER RESPONSIBILITIES:** Warranty service must be performed by a Servicer authorized by Therma-Stor LLC. If the end-user is unable to locate or obtain warranty service from an authorized Servicer, he should call Therma-Stor LLC at the above number and ask for the Therma-Stor LLC Service Department, which will then arrange for covered warranty service. Warranty service will be performed during normal working hours. The end-user must present proof of purchase (lease) upon request, by use of the warranty card or other reasonable and reliable means. The end-user is responsible for normal care. This warranty does not cover any defect, malfunction, etc., resulting from misuse, abuse, lack of normal care, corrosion, freezing, tampering, modification, unauthorized or improper repair or installation, accident, acts of nature or any other cause beyond Therma-Stor LLC's reasonable control.

**LIMITATIONS AND EXCLUSIONS:** If any Quest dehumidifier part is repaired or replaced, the new part shall be warranted for only the remainder of the original warranty period applicable thereto (but all warranty periods will be extended by the period of time, if any, that the Quest dehumidifier is out of service while awaiting covered warranty service).

UPON THE EXPIRATION OF THE WRITTEN WARRANTY APPLICABLE TO THE QUEST DEHUMIDIFIER OR ANY PART THEREOF, ALL OTHER WARRANTIES IMPLIED BY LAW, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL ALSO EXPIRE. ALL WARRANTIES MADE BY THERMA-STOR LLC ARE SET FORTH HEREIN, AND NO CLAIM MAY BE MADE AGAINST THERMA-STOR LLC BASED ON ANY ORAL WARRANTY. IN NO EVENT SHALL THERMA-STOR LLC, IN CONNECTION WITH THE SALE, INSTALLATION, USE, REPAIR OR REPLACEMENT OF ANY QUEST DEHUMIDIFIER OR PART THEREOF BE LIABLE UNDER ANY LEGAL THEORY FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES INCLUDING WITHOUT LIMITATION WATER DAMAGE (THE END-USER SHOULD TAKE PRECAUTIONS AGAINST SAME), LOST PROFITS, DELAY OR LOSS OF USE OR DAMAGE TO ANY REAL OR PERSONAL PROPERTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, AND SOME DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO ONE OR BOTH OF THESE LIMITATIONS MAY NOT APPLY TO YOU.

**LEGAL RIGHTS:** This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

FOR INTERNAL USE ONLY

