

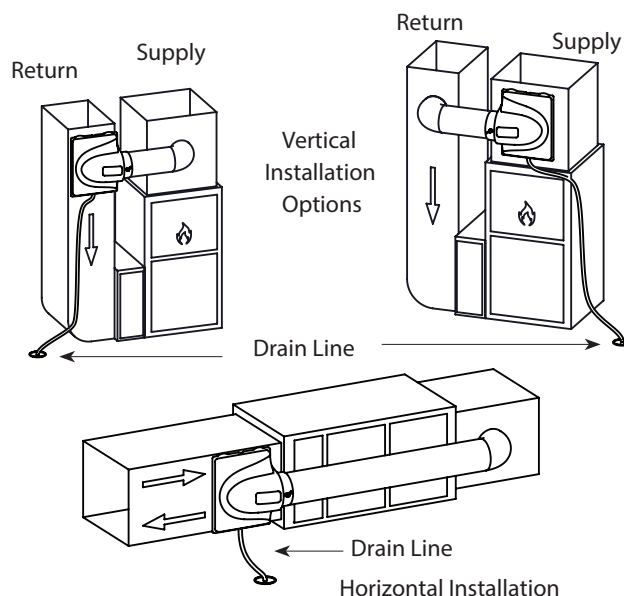
Installation Manual - Please Read And Save These Instructions



BZ33-SBH & BZ33-LBH

Plenum Installation Location:

12 GPD Small Bypass & 17 GPD Large Bypass humidifiers may be installed on either the return or supply plenum of a forced air handling system. The humidifier's bypass panel is reversible and can be mounted on the right or left side of the humidifier. Select a location for the humidifier that allows for service and maintenance.



CAUTION!

This symbol and the word "CAUTION" indicates: IMPORTANT INSTRUCTIONS!

WARNING!

This symbol and the word "WARNING" indicates: IMPORTANT INSTRUCTIONS!

Failure to heed **CAUTION!** or **WARNING!** can result in serious injury or death.

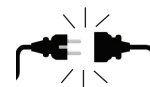
Inside The Box

- Humidifier
- Size 10 Vapor Pad® for 12 GPD Small Bypass
- Size 35 Vapor Pad for 17 GPD Large Bypass
- Solenoid Valve Assembly
- Push to Connect Tee Valve
- Manual (M Models); Automatic Humidistat (A Models)
- 24V Transformer
- Hardware Kit
- Drain Tube 10'
- Water Supply Tube Kit

Not Included (Contractor Supplied):

- 1/4" Diameter plastic supply tubing for cold water applications, or 1/4" copper supply tubing required for hot water applications
- 6" Diameter rigid or flexible bypass duct
- Wire nuts

WARNING DISCONNECT ELECTRICAL POWER BEFORE BEGINNING INSTALLATION.



IMPORTANT: To ensure your safety and the longevity of your unit, we recommend:

- Contacting a licensed contractor to perform maintenance or repairs.
- Changing your Vapor Pad at the start of each heating season.

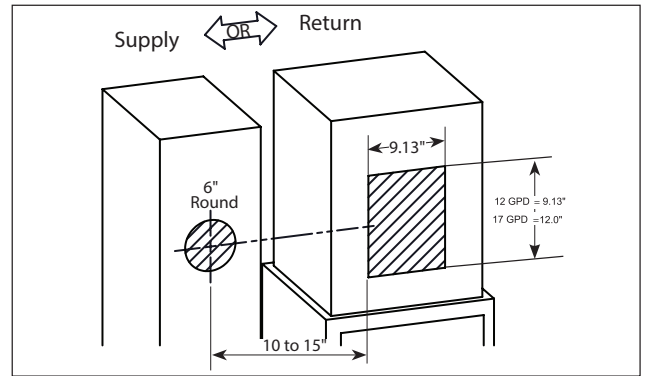
WARNING

Do not install where ambient temperatures fall below 32°F / 0°C or where plenum temperatures exceed 200°F / 93°C. For maximum evaporative capacity, install this humidifier on the warm air supply plenum.

INSTALLATION

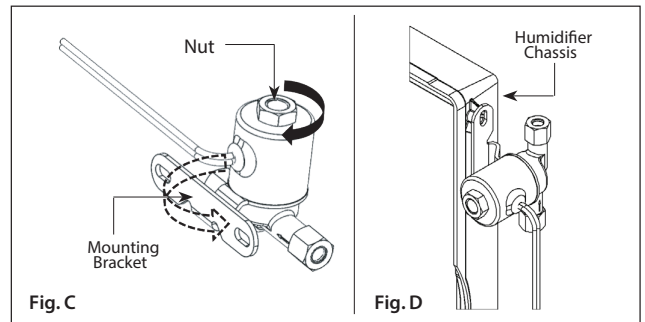
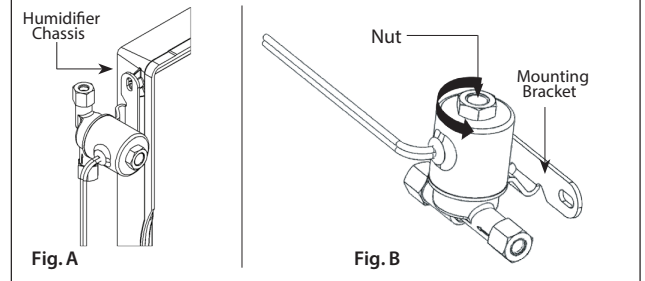
1 CUT HUMIDIFIER AND BYPASS HOLES IN DUCT

Using the supplied template, cut the rectangular opening in the Return or Supply (shown) duct. Cut the 6" round hole in the opposite duct. Locate it 10" to 15" from side of the humidifier, near the cabinet horizontal center line.



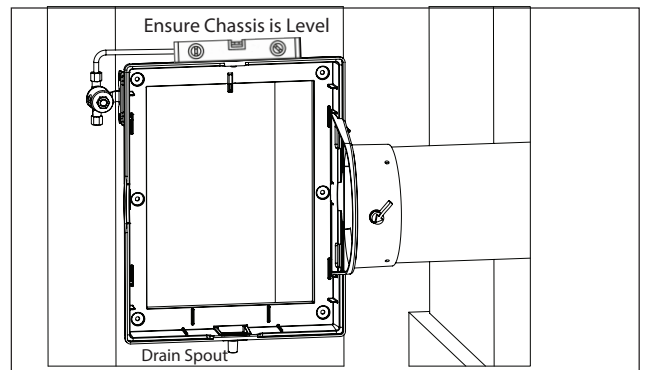
2 OPTIONAL MOVE SOLENOID BRACKET FOR LEFT SIDE BYPASS:

- I. Remove distribution tube.
- II. Remove solenoid from left side of chassis. (Fig. A)
- III. Loosen nut on top of solenoid - do not remove. (Fig. B)
- IV. Rotate bracket 180°, as shown. (Fig C)
- V. Re-tighten nut.
- VI. Mount solenoid on right side of chassis. (Fig. D)
- VII. Reinstall distribution tube.



3 MOUNT THE CHASSIS

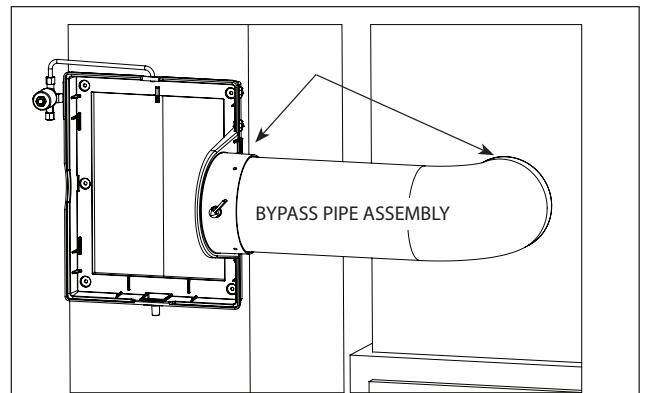
Make sure the bypass panel is aligned with the 6" opening in the duct. Make sure the drain spout is pointing downward, as shown. Level the chassis and install the six mounting screws.



4 MOUNT THE BYPASS

Connect one end of the bypass pipe to the humidifier. Connect the other end to the 6" opening in the duct.

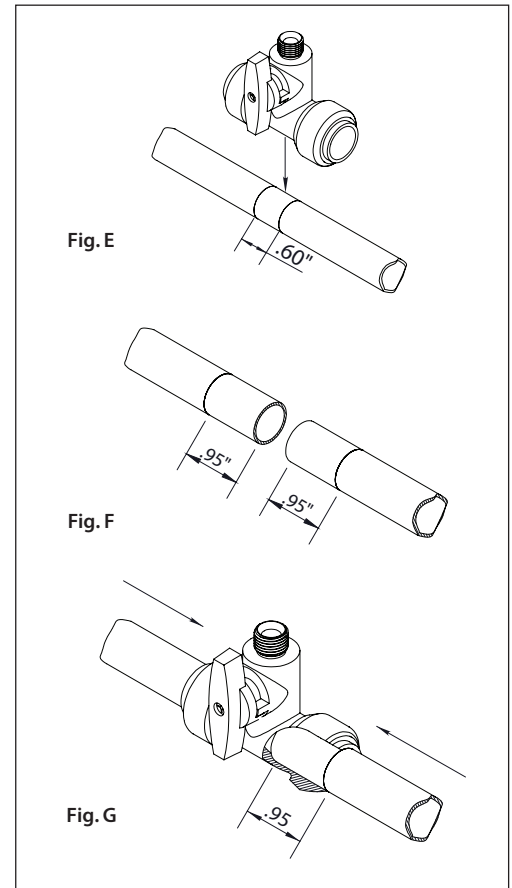
If using flexible ducting, minimize excess length and sag.



INSTALLATION

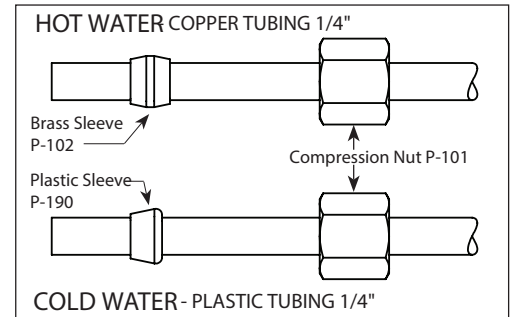
5 INSTALL THE PUSH-TO-CONNECT VALVE

- I. Select desired valve location.
- II. Remove 0.6" (15mm) of pipe to account for valve width (Fig. E).
Make sure both pipe ends are square, deburred and clean.
- III. Mark both pipes at the insertion depth, 0.95" (24mm) (Fig. F).
- IV. Firmly insert both pipes into fitting until at full depth.
Verify each pipe is fully inserted. The depth mark will be within 0.005" (0.13mm) of the release collar (Fig. G).



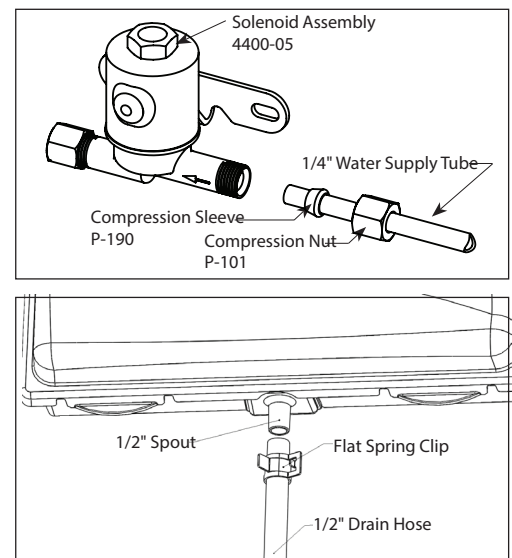
6 CONFIGURE WATER SUPPLY TUBING

- I. Utilizing copper tubing requires a brass compression nut and brass sleeve.
- II. Utilizing plastic tubing requires a plastic sleeve on the outside with a brass compression nut.



7 CONNECT THE DRAIN HOSE

Connect the 1/2" ID drain hose to the spout on the humidifier cabinet using the provided flat spring clip. Run the drain hose to a suitable drain such as floor drain, laundry sink or to a condensate pump (sold separately). Be sure the hose has continuous slope and is not kinked at any point.



INSTALLATION

8 INSTALL THE (DUCT OR WALL MOUNT) MANUAL HUMIDISTAT

I. Mount the included humidistat on the duct (Fig. H) or on the wall.

II. Wire the humidifier and humidistat as shown. (Fig. I)

(Complete instructions can be found in the humidistat package.)

* W Terminal:

- Some control boards may have a dedicated 24V HUM terminal (confirm with manufacturer literature before installing).
- If 120V HUM terminal is used, please use 24V transformer provided.



WARNING: ALL WIRING SHOULD COMPLY WITH LOCAL ELECTRICAL CODES.

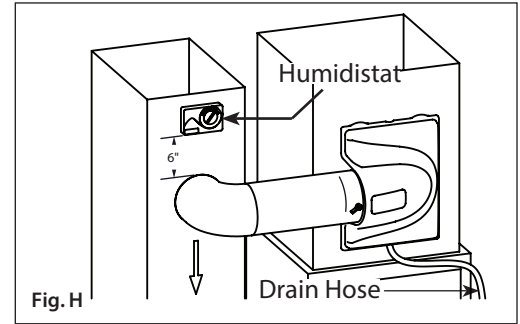


Fig. H

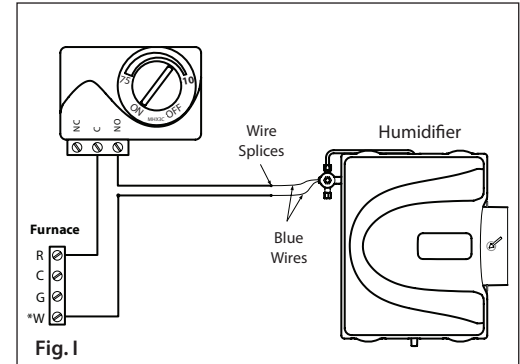


Fig. I

9 TEST THE OPERATION OF THE UNIT

- Turn the damper knob to the WINTER position. (Fig. J)
- Turn on the water supply.
- Turn the humidistat ON (towards the left).
- The solenoid valve should be closed when not energized.
- Once the solenoid is energized the valve should open.
- Check flow of water through distributor trough and evaporator pad (3.5 GPH of water at a line pressure of 60 psi.)

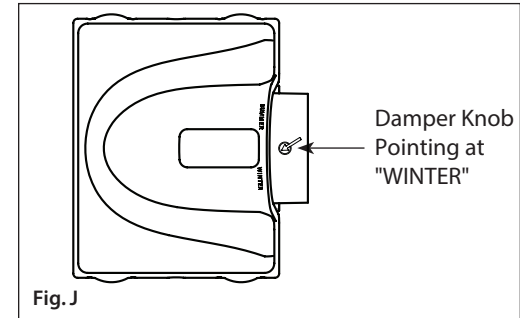
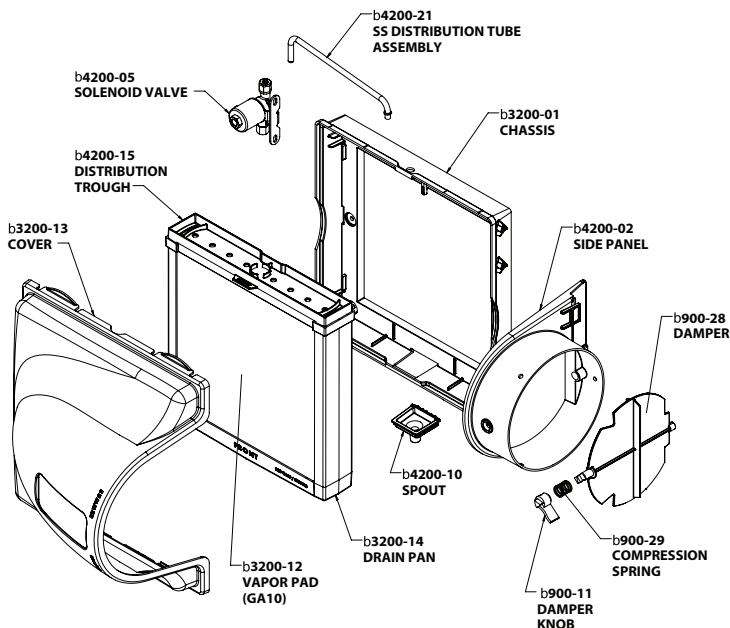
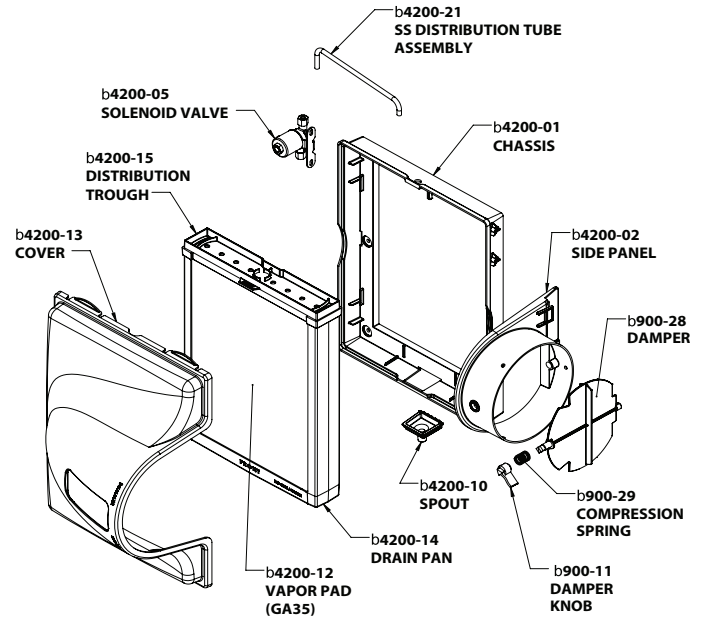


Fig. J

12 GPD Small Bypass Humidifier Assembly



17 GPD Large Bypass Humidifier Assembly



Replace your Vapor Pad at the beginning of each heating season.



LIMITED WARRANTY

Breeze33 Products LLC (Breeze33®) warrants to the ORIGINAL PURCHASER that this Humidifier (the "Product") shall be free from defects in material, workmanship and/or manufacturing under normal use and service. Should your Breeze33 Product prove to be defective in material, workmanship and/or manufacturing under normal use during the durations outlined below, effective from the original purchase date, Breeze33 will replace defective parts or Product as outlined below.

FIRST FIVE YEARS

If the Product supplied by Breeze33 fails due to defects in material or workmanship within the first five (5) years of purchase date by the ORIGINAL PURCHASER, Breeze33 will replace the defective part or replace the entire Product free of charge.

WHAT IS NOT COVERED?

This Limited Warranty applies only to Breeze33 Products that are installed by licensed HVAC contractors who are licensed for HVAC installation under applicable local and state laws (a "Licensed Contractor"), and where installation of the Product is completed in strict compliance with (A) all applicable building codes, ordinances, regulations and permits; (B) Breeze33's installation and operation instructions; and (C) good trade practices (each of the foregoing, the "Warranty Conditions"). In the event the Product is not installed by a Licensed Contractor and in strict compliance with each of the Warranty Conditions, this Limited Warranty, and Breeze33's obligations arising hereunder, shall be deemed null and void.

This Limited Warranty does not cover and Breeze33 is not liable for, (i) installation charges and/or costs related to the defective Products and/or parts; (ii) any labor charges and/or costs related to the defective Products and/or parts; (iii) Products which have been damaged as a result of any accident, misuse, abuse, neglect, improper installation or maintenance, the use of abrasive or organic solvent cleaners, modification; (iv) normal wear and tear and cosmetic damage that does effect the functionality of Product; (v) damage caused by acts of nature including but not limited to: wind, fire, flood, collision, mold, power surge or lighting strike; (vi) maintenance or consumable related products including but not limited to: steam canisters, air filters, evaporative water panels or electrode wires; (vii) failure to use the Product in accordance with the instructions provided by Breeze33; and/or (viii) Products not installed by a Licensed Contractor; (ix) Products not installed in strict compliance with the Warranty Conditions; and/or (x) Products for which the Breeze33 Registration have not been completed on or before the Registration Deadline.

HOW TO OBTAIN WARRANTY SERVICE

Contact our warranty department at breeze33.com to report the defect. Return failed product with proof of purchase, your name, and address within 30 days of failure to:

Breeze33 Products LLC
ATTN: 33Brands Quality Team
5700 Lee Road South
Maple Heights, OH 44137

LIMITATION OF LIABILITY

Breeze33's liability on any claim of any kind, including, without limitation, warranty, negligence and/or breach of contract, shall in no case exceed the purchase price paid by the Customer. IN NO EVENT SHALL BREEZE33 BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO PROPERTY) OR PUNITIVE DAMAGES, DAMAGES IN THE NATURE OF PENALTIES OR SIMILAR OR RELATED DAMAGES OF ANY KIND.

DISCLAIMER OF WARRANTIES

BREEZE33 EXPRESSLY DISCLAIMS ALL WARRANTIES, EXCEPT AS EXPLICITLY STATED HEREIN, TO THE FULLEST EXTENT PERMITTED BY LAW, WHETHER WRITTEN, ORAL, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF PERFORMANCE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NONINFRINGEMENT. THIS DISCLAIMER INCLUDES ANY ORAL WARRANTIES OR REPRESENTATIONS MADE OR IMPLIED BY ANY AGENT, EMPLOYEE, SUBCONTRACTOR, MANAGER, DIRECTOR AND/OR REPRESENTATIVE OF BREEZE33.