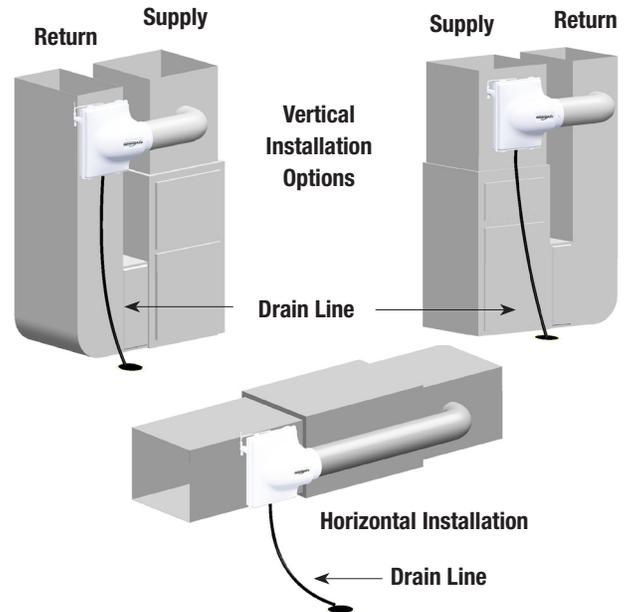


# Model GF-3200DMM & GF-4200DMM Evaporative Humidifier Installation Manual

## Please Read And Save These Instructions



**Plenum Installation Location:** Models GF-3200DMM & GF-4200DMM humidifiers may be installed on either the return or supply plenum of a forced air handling system. The Humidifier 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!**

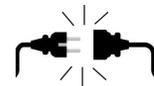
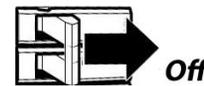
Failure to heed  **CAUTION!** or  **WARNING!** can result in serious injury or death.

### Checklist:

- ✓ GF-GA10 Vapor Pad® (For Model GF-3200DMM) OR
- ✓ GF-GA35 Vapor Pad® (For Model GF-4200DMM),
- ✓ Solenoid Valve Assembly
- ✓ Integral Bypass Damper
- ✓ Humidistat
- ✓ 24V Transformer
- ✓ Saddle Valve
- ✓ Hardware
- ✓ 1/4" Diameter plastic supply tubing for cold water applications, or 1/4" copper supply tubing for hot water applications
- ✓ 6" Diameter rigid or flexible by-pass duct
- ✓ Electrical wire and wire nuts
- ✓ #8x1/2" Long self-piercing sheet metal screws or aluminum duct tape



**WARNING: DISCONNECT ELECTRICAL POWER BEFORE BEGINNING INSTALLATION.**



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

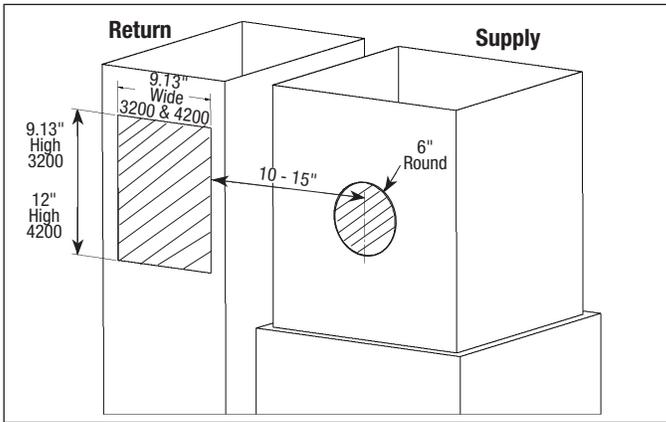
- Contacting a licensed contractor to perform maintenance or repairs.
- Changing your Vapor Pad® at the start of each heating season.



**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.

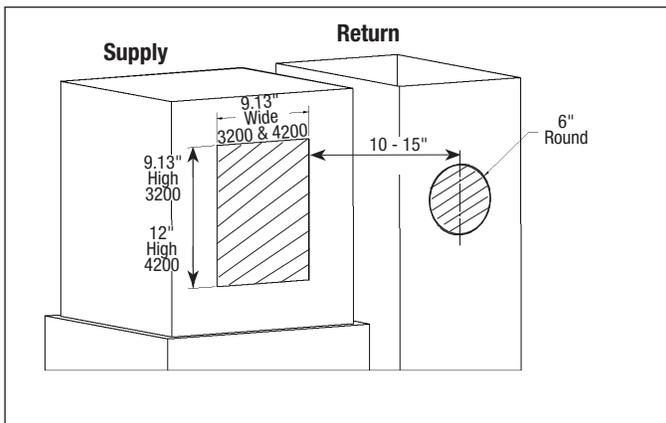
Form No. 4200-18 Canada

# INSTALLATION

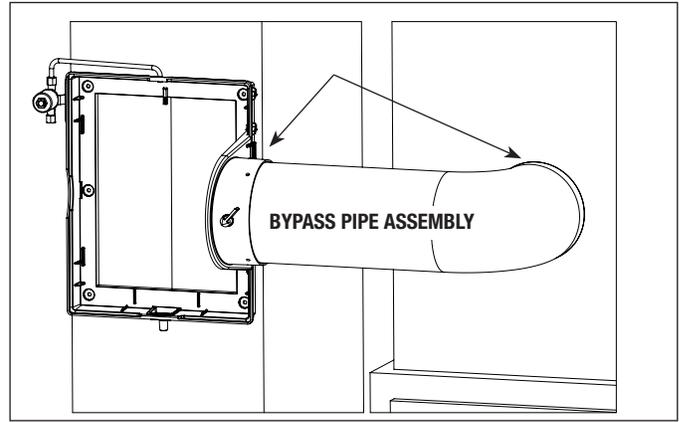


**1 RETURN INSTALLATION:** Cut a rectangular hole using the manufacturer-supplied template and a second 6" round hole; 10" to 15" from side of the humidifier, near the cabinet horizontal centerline.

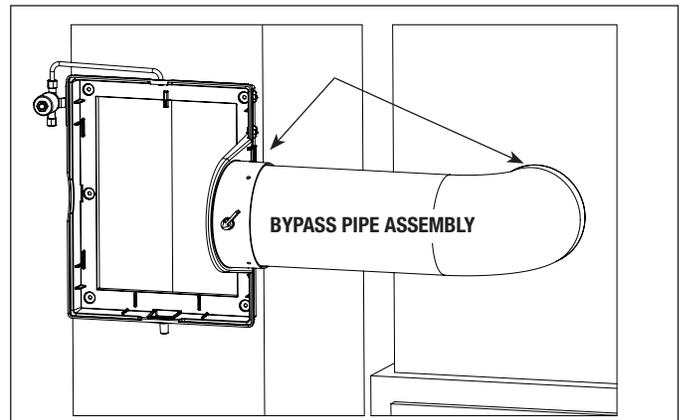
**OR**



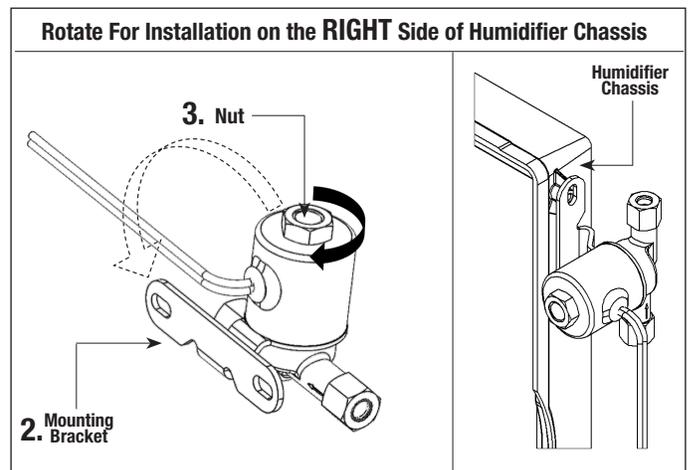
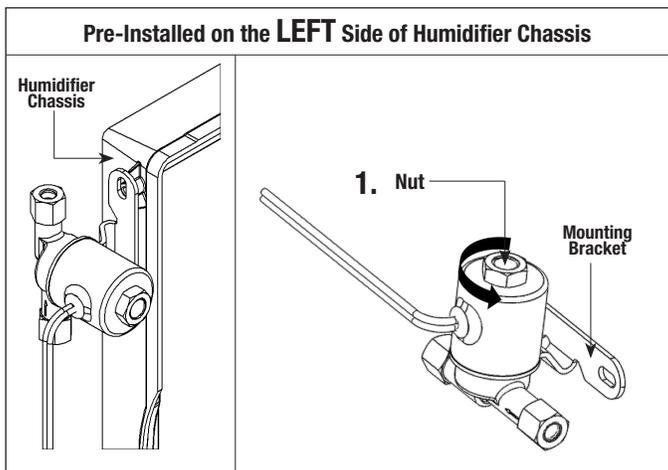
**1 SUPPLY INSTALLATION:** Cut a rectangular hole using the manufacturer-supplied template and a second 6" round hole; 10" to 15" from side of the humidifier, near the cabinet horizontal centerline.



**3** Install the by-pass pipe assy to the humidifier by-pass panel and the furnace plenum.



**4** Install the by-pass pipe assy to the humidifier bypass panel and the furnace plenum.



## Preparing The Solenoid Valve Mounting Bracket For Left To Right Side Installation On 3200 / 4200 Humidifiers

1. Loosen nut on top of solenoid (DO NOT REMOVE)
2. Rotate mounting bracket 180° as shown
3. Re-tighten nut

# INSTALLATION

**5** Mount the self-tapping saddle valve on either a cold or a hot water pipe. A side or top mount is best to avoid clogging from pipe sediment. Connect 1/4" O.D. tubing to the saddle valve.

- Copper tubing requires a brass compression nut and brass sleeve.
- Plastic tubing requires a brass insert inside the tubing, a plastic sleeve on the outside with a brass compression nut.

**OR**

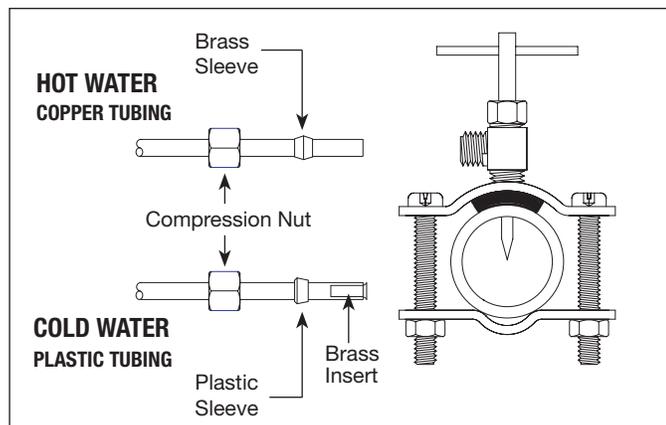
**OPTIONAL:**

**GCV3412 Code Valve Installation Instructions\* Copper Pipe:**

- 1. CAUTION:** Turn off water supply.
2. Clean pipe, fittings and valve with sandpaper or wire brush.
3. Apply a thin layer of flux to all surfaces to be soldered.
4. Assemble valve to pipe and/or fittings.

**WARNING:** For your safety, the following should be performed by a licensed contractor only.

- Option: To prevent damage to the code valve while soldering, cool the valve by wrapping a wet rag around the body of the valve.
- Heat the joints with a torch. Apply solder to each joint. Continue to apply heat sufficient to keep solder liquid.
- After solder has filled the entire joint area, remove heat and allow the joint to cool. Do not move or disturb.
- Slide compression nut over 1/4" copper tube followed by compression sleeve.
- Insert tube into valve fully and tighten nut.

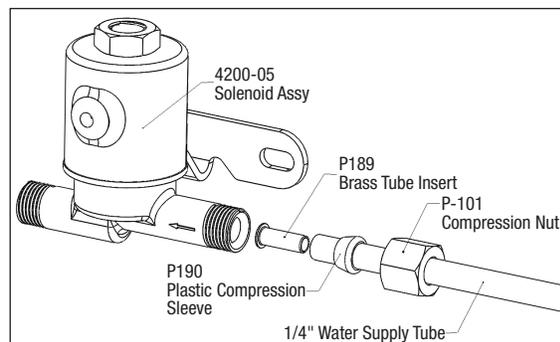


**6** Connect 1/4" water supply tube to brass inlet of solenoid.

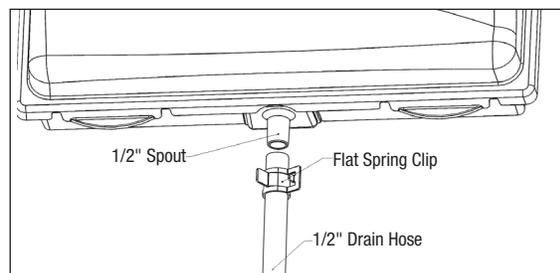
- Turn on water supply and check for leaks.

**CAUTION:** Do not use plastic tubing in contact with any hot plenum surface or duct.

**Note:** The standard stainless steel tube and orifice assembly (part number 4200-21; GFI #4221) will supply approximately 3.5 GPH of water at a line water pressure of 60 PSI.



**7** 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.



**8** Test the Operation of the Unit

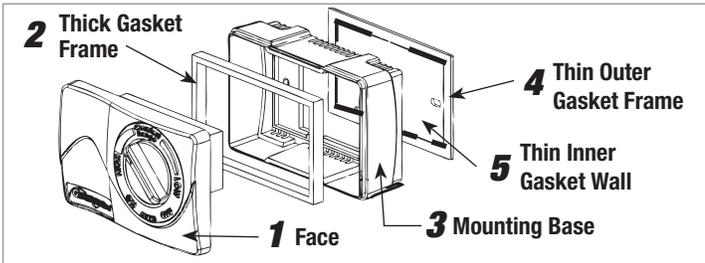
- Turn the damper knob to the WINTER position.
- Turn on the water supply.
- Turn the humidistat ON (towards the left).
- The solenoid valve should be closed when not energized.
- Once the solenoid is energized the valve should open.
- Check flow of water through distributor trough and evaporator pad.



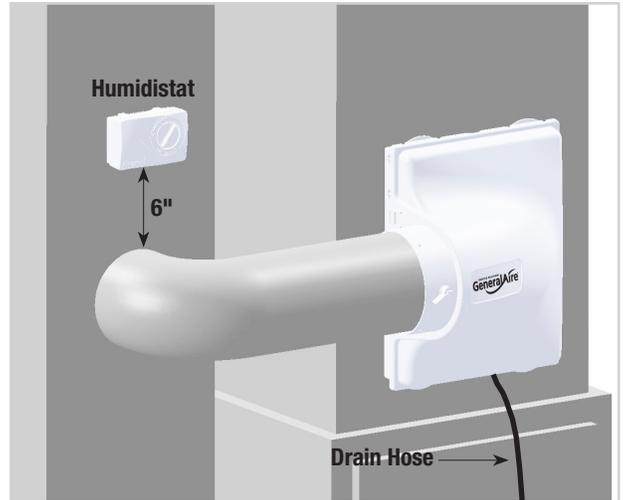
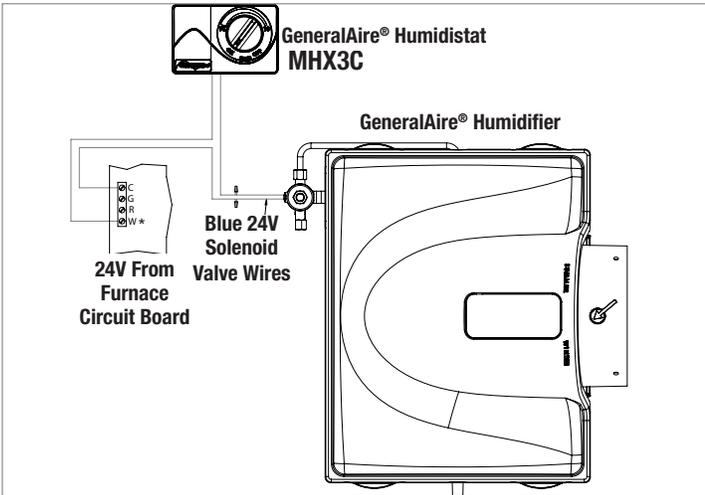
Damper Knob Pointing at "WINTER"

**9** Install the (Duct Or Wall Mount) Manual Humidistat Complete installation instructions for the (manual or automatic) humidistat can be found inside the humidistat package.

**WARNING:** ALL WIRING SHOULD COMPLY WITH LOCAL ELECTRICAL CODES.

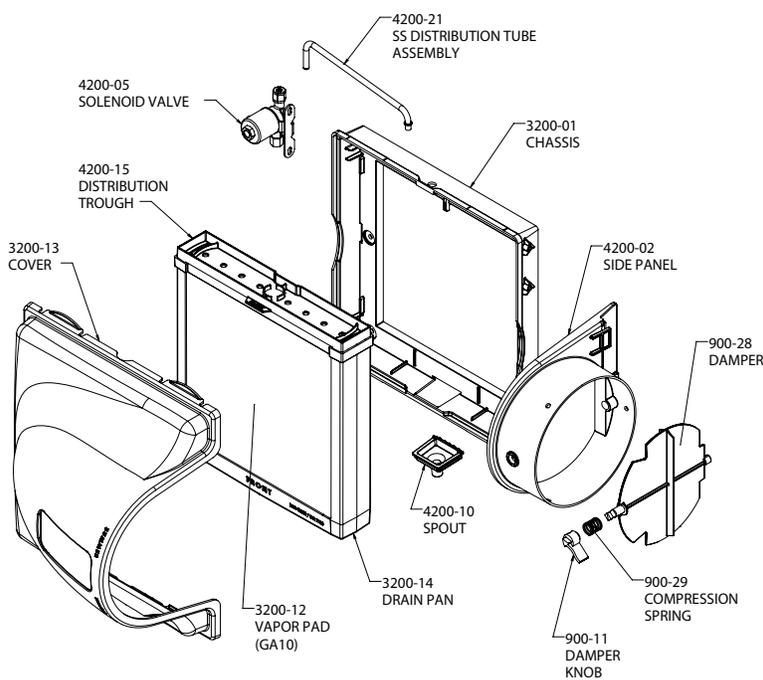


DUCT MOUNT	WALL MOUNT
Use Parts:	Use Parts:
<b>1</b>	<b>1</b>
<b>2</b>	<b>3</b>
<b>3</b>	<b>4</b>
<b>4</b>	<b>5</b>

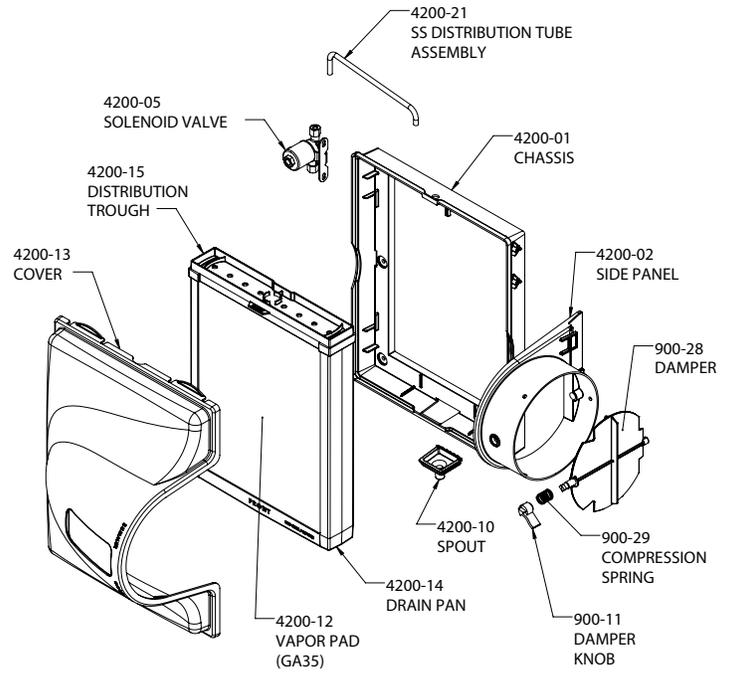


- \* W Terminal:
- Some control boards may have a dedicated 24v HUM terminal (confirm with manufacturer literature before installing)
  - If 120v HUM terminal is used, please use 24VAC transformer provided

**3200 Humidifier Assembly**



**4200 Humidifier Assembly**



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

- Model 3200 = GA10 (GFI #7905)
- Model 4200 = GA35 (GFI #7902)

Your new humidifier carries a 5-year limited warranty. For our complete warranty policy visit [www.generalfilters.com](http://www.generalfilters.com).