

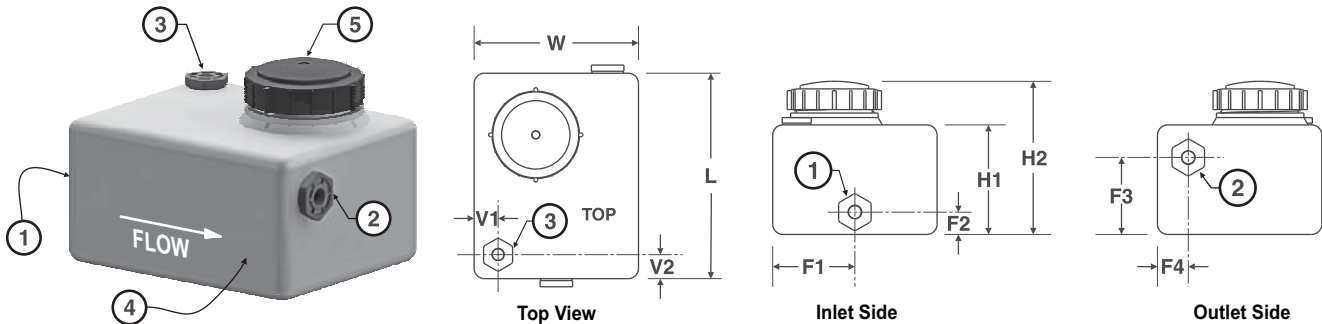
INTRODUCTION

WARNING

Please follow these installation instructions carefully in order to avoid a safety hazard, severe injury, death, and/or substantial property damage.

- Do NOT allow exhaust flue gases to vent through the neutralizer tank. Fill the neutralizer tank and traps with tap water. Flue gas leakage can cause injury or death from carbon monoxide.
- The neutralizer tank must be located at a lower elevation than the condensate drain on the appliance to ensure proper flow of condensate through the drain line.
- Connection to the appliance and neutralizer tank must be installed to ensure that no condensate backflow can occur into the appliance.

INCLUDED PARTS AND DIMENSIONS



RATINGS & DIMENSIONS (in inches)

Model	MBH	GPH	L	W	H1	H2	V1	V2	F1	F2	F3	F4	
GXXX001325	4000	40	15	12	8	11 1/4	1 3/4	1 3/4	6	1 3/4	5 3/4	2 1/4	
1	Condensate INLET : 1" FNPT						4	Corrosion-Resistant Neutralizing Tank					
2	Condensate OUTLET : 1" FNPT						5	Fill/Inspection Access Cap					
3	Vent Connection: 3/4" FNPT												

SPECIFICATIONS

Condensate Neutralizer Tank Part No.: GXXX001325

Replacement Media Part No.: GXXX001329

Max Flow Rate: 40 gph (151 lph)

Weight: 50 lbs (23 kgs) with media

Condensate Neutralizer Tank Includes:

- One (1) corrosion-resistant neutralizer tank with fill/inspection access (6.0 gallon / 23.6 liter volume)
- 1" FNPT threaded **INLET** and **OUTLET**
- 3/4" FNPT Vent Connection
- Neutralizing media (magnesium oxide pellets) for tank

PREPARE FOR INSTALLATION

- Up to **SIXTEEN (16)** Navien appliances can be connected to a single Neutralizer Tank. For all other appliances, please see the manufacturer's installation instructions for more information.
- The **INLET** has a center connection port and the **OUTLET** has an offset connection. Make sure that the neutralizer tank is located **BELOW** the condensate drain port on the appliance. Relocate and elevate the appliance above the tank if necessary.
- Place the neutralizer tank in a suitable area on the floor, then fill the empty tank with the proper neutralizing media to the maximum fill line.
- Connect the appropriate corrosion resistant pipe materials to the neutralizer tank and secure the piping to the floor by using clamps to prevent movement. Apply Teflon tape on all threaded plastic fittings.

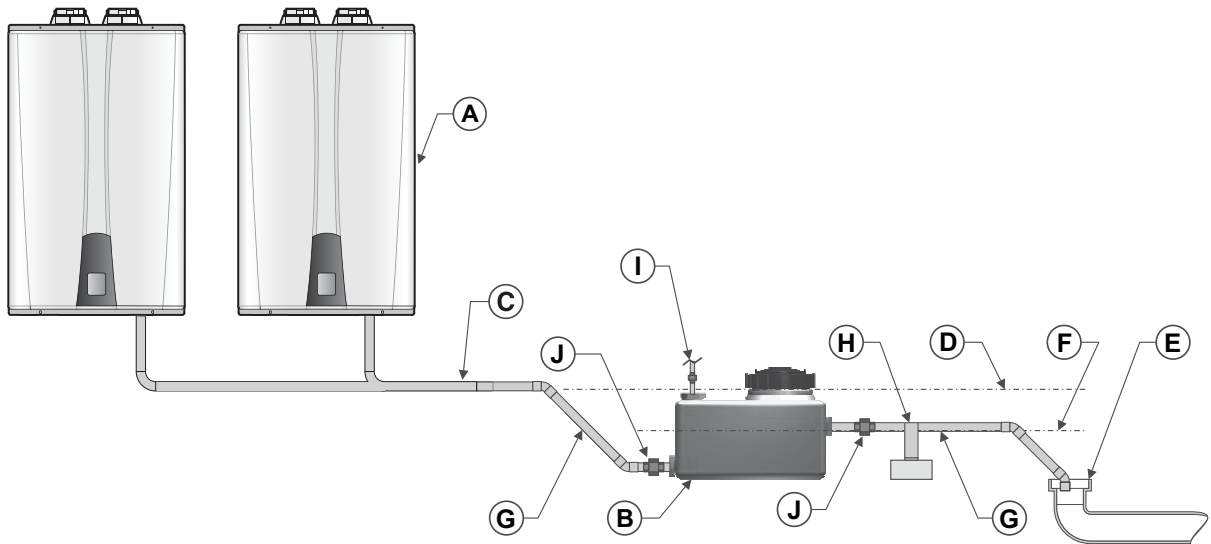
INSTALLATION

- Connections to the appliance and neutralizer unit must be installed to ensure that no condensate backflow can occur.

NOTE: Do not route the condensate line through any area that is exposed to freezing temperatures. If personnel traffic poses a risk, install some protection to prevent movement and/or damage.

- Route the neutralizer tank outlet piping to an appropriate drain. If a drain is not available nearby, install a condensate removal pump to route the condensate to a suitable location.
- Access to the discharge is necessary for proper maintenance in order to check the effectiveness of the neutralizing media using pH test strips.

NOTE: Always consult the local authority regarding any requirements concerning flue gas condensate handling codes.



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|---|---|---|
| A. Condensing Appliance | E. Route discharge to floor drain or to an appropriate drain location | H. Secure condensate piping in place with clamps (follow instructions for securing at condensate pump, when used) |
| B. Neutralizer Tank | F. Bottom of the neutralizer tank condensate outlet | I. Install ½" PVC piping from the vent to the top of tank where required by local codes |
| C. Confirm proper drain line installation | G. PVC pipe – Include unions on the Drain line to allow removal of the tank for inspection and service. Secure pipe in place – protect with a shield if necessary if routed through traffic areas | J. Install a union at each connection to the neutralizer tank to allow for removal and servicing as needed |
| D. Bottom of the condensate outlet from the appliance MUST be ABOVE the bottom of the tank condensate outlet (or condensate pump inlet) UNLESS a condensate pump with integral check valve is installed | | |

Example of a Multi-Unit Navien Cascade Setup with Neutralizer Tank

MAINTENANCE

- Monitor the level of the neutralizer media in the unit periodically. Check the pH level at the outlet of the neutralizer kit annually and use a suitable pH test strip paper or an electronic pH meter for precise measurements. The neutralizing media should be replaced when the pH level drops below the minimum level of the local water authority (media replacement is recommended for pH levels below 6.0). For replacement media, contact Navien America or your local Navien dealer.

LIMITED WARRANTY

- The unit is warranted against defects in materials and workmanship for **ONE YEAR**. The warranty does NOT cover issues that result from misuse, improper installation, and/or failure to replace the media.