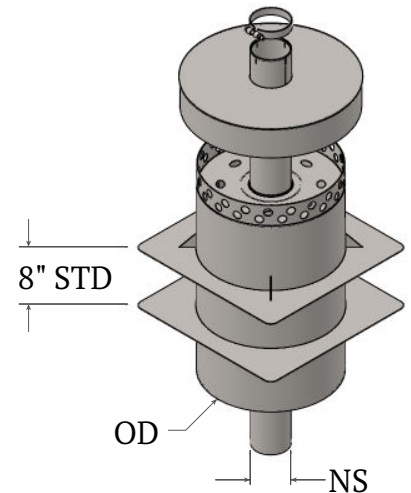


Read through the entire manual before proceeding with installation.

Any procedures presented in this guide are suggestions only, and it is the responsibility of the owner/operator to ensure that the installation is done only by trained, qualified individuals, and performed according to all applicable codes including, but not limited to, local codes for your municipality, city, county and state; this includes all electrical and mechanical work. All workers must be trained in the proper safety procedures and appropriate PPE and attire must be worn at all times.

Thimbles provide protective transitions for exhaust piping where it is necessary to pass through walls and/or roofs safely to the outside atmosphere. Thimbles are critical in complying with local fire and safety regulations by protecting wall and/or roof material from exhaust tube heat. You should obtain the most up-to-date copies of documents from the National Electrical Code and other applicable authorities.



PRE-INSTALLATION

- We recommend hi-temperature rated sealant (Mil-A-46106B, 100 Series RTV) or similar for use in this application.
- Prior to unpacking, check all components for shipping damage.
- Keep shipping materials intact to protect the unit until installation is complete.
- Verify the correct parts are received by comparing the nameplate with the packing list.
- Verify that the thimble and recommended components are of proper size for the mating surface openings and ensure that all mating surfaces are clean and free of foreign material before installation.
- When cleaning the surfaces, do not use abrasive materials such as steel wool or wire brushes. Use only isopropyl alcohol and clean with soft rags. (Do not use chloride or halide-based cleaners.)
- Ensure the installation location is free of electrical, plumbing, or any other obstacle.

INSTALLATION

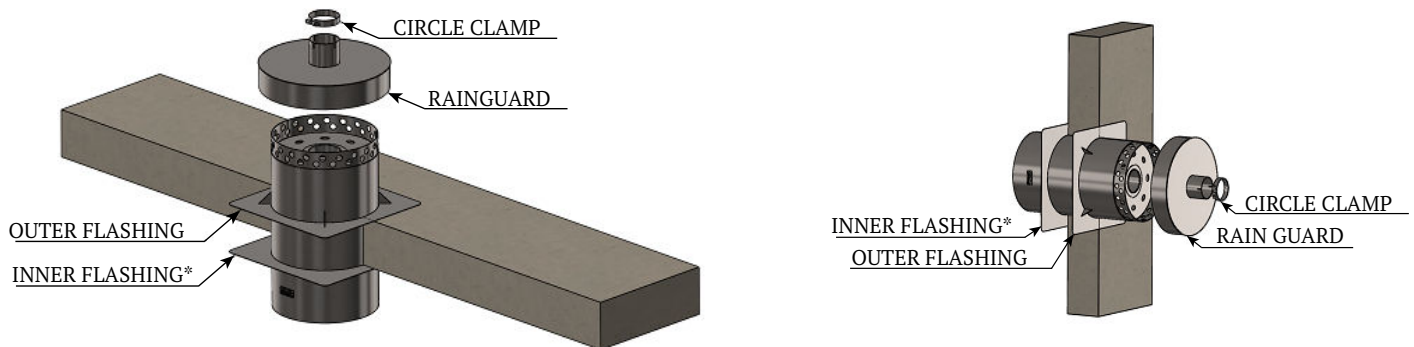
1. Cut a hole in the desired installation surface $\frac{1}{4}$ " larger than the thimble diameter or as the installing contractor recommends.
2. Apply a bead of sealant around the perimeter of the exterior flashing that will be in contact with the surface and is a minimum of one inch from the edge of the flashing.
3. Install the thimble through the hole so that the exterior flashing is flush against the outside surface, clocking as needed.
4. Apply a bead of sealant around the perimeter of the interior flashing that will be in contact with the surface and is a minimum of one inch from the edge of the flashing.
5. Install the interior flashing and clock as needed.
6. Install corrosion resistant fasteners into both the exterior and interior flashing surfaces, installing the fasteners with the recommended sealant in order to secure the thimble.
7. With thimble installed and fastened to surface, insert exhaust piping through the ID hole of the thimble. Ensure that enough exhaust piping is installed to be able to allow installation of the rain cap and clamp. Ensure that the exhaust piping is not in contact with the inner wall of the thimble.
8. Install a $\frac{1}{2}$ " bead of sealant at the gap around the perimeter of the thimble body and the exterior flashing to cover any gaps and prevent leakage.
9. From the exterior of the building, install the rain guard over the exhaust pipe with the included clamp.
10. Tighten the clamp to secure the rain guard to the thimble.
11. Ensure that the ventilation holes/slots are not blocked and are free of obstructions.



CONTINUED

POST-INSTALLATION

- Review that all components of your exhaust system are properly installed and ready for operation.
- If there is any indication of leaks or damage, cease operation immediately and conduct a broader inspection to determine the cause and resolve.
- After the initial engine run and cool down, re-check all bolts for tightness and torque as required.
- Exhaust back-pressure must not exceed the allowable back-pressure specified by the engine manufacturer. Excessive exhaust back-pressure reduces engine power and engine life and may lead to high exhaust temperatures and smoke. Engine exhaust back-pressure should be estimated before the layout of the exhaust system is finalized and is recommended to be measured at the exhaust outlet under full-load operation, as needed.
- Verify that the type and amount of movement generated by the system are acceptable and do not cause damage to the installed product(s).



MAINTENANCE

*Inner flashing ships loose

It is recommended that maintenance is performed monthly, or every 10 hours of operation, (whichever comes first).

Maintenance for a typical exhaust system installation will consist of physical and visual examination of the exhaust system for any sign of gas leakage, cracks, significant areas of damage or corrosion. Re-tighten any loose bolts if necessary. Apply new sealant as needed.

Note: If there is any indication of leaks or damage, cease operation immediately and conduct a broader inspection to determine the cause and resolve.

Thank you for choosing inExhaust as your exhaust system components solution!

For any questions, please contact us at insales@inExhaust.com.

This guide is also available on our website: www.inExhaust.com

