

Models:
AK22
Outside Air Kit



This air kit has been tested for use with specific Hearth & Home Technologies fireplaces. Check with your local building code agency before you begin installation to ensure compliance with local codes, including the need for permits and follow-up inspections. If you encounter any problems regarding code approvals, or if you need clarification of any of the instructions contained here, contact the Technical Services Dept., Hearth & Home Technologies Inc., 1915 W. Saunders St., Mt. Pleasant, IA 52641, phone 1-800-927-6841 or 1-888-427-3973.

Note: An arrow (➔) found in the text signifies change in content.

CAUTION

Sharp Edges

- Wear protective gloves and safety glasses during installation.

Note: Flexible duct ID4 (insulated) or UD4 (uninsulated) must be ordered separately.

Item #	Description	Qty
1	Collar/Inlet Tube	1
2	Wire Ties	2
3	Hooded Air Inlet	1
4	Fastener Pack	1

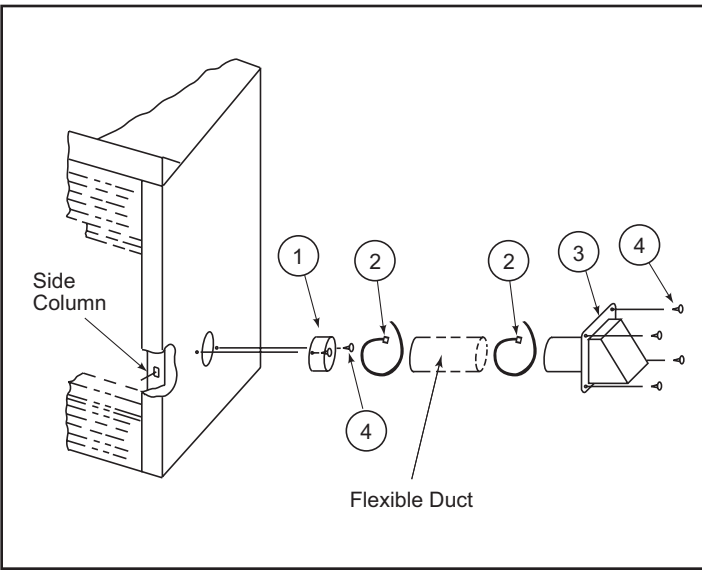



Figure 1 **Parts**

A. Outside Air Inlet Location

Fireplace installation instructions show how outside air kit can be located. A 3 ft. (.914 m) minimum height difference must be maintained from top of uppermost chimney section to outside combustion air inlet.

Note: Check height requirements for fireplace before attempting any basement location. We recommend you utilize the shortest duct run to optimize performance of outside air kit. The outside air kit inlet thimble should be positioned in a manner that will not allow snow, leaves, etc. to block inlet. Additional duct may be required.



WARNING

Fire Risk
Exhaust Fumes Risk


Do not install outside air ducts such that the air may be drawn from attic spaces, basements or above the roofing where other heating appliances, fans and/or chimneys exhaust or utilize air.

When locating the fireplace in a space projecting into a garage, the outside air must not be taken from the garage space. Exhaust products of gasoline engines are hazardous.

B. Step by Step Installation

- The outside air damper assembly is factory installed on the left side of the fireplace. Remove the cover plate and bend out the four tabs on the collar.
- Attach the collar to the side of the fireplace by aligning the four holes in the collar with the four holes on the fireplace side. Attach with the screws provided. See Figure 3.
- Check the operation by sliding the handle back and forth to open and close.
- Mark and cut out a 4 in. (102 mm) hole in the building side for air entry. This hole should allow for some framing (two sides) so the hooded air inlet may be nailed into position, flush with the building's outside.
- Install hooded air inlet in the sidewall of the structure.
- Assemble the flexible duct ID4 or UD4 (not supplied) between the collar and the hooded air inlet. Secure it into position with the supplied wire ties.

Note: To guard against significant cold air infiltration through duct or other parts of system, check for light leaks with a flashlight and seal these with duct tape and/or insulation.



WARNING

Fire Risk
Asphyxiation Risk

Do not draw outside combustion air from:

- Wall, floor or ceiling cavity.
- Enclosed space such as an attic or garage.
- Close proximity to exhaust vents or chimneys.

Fumes or odor may result.

CAUTION

Risk of Smoke Spillage

Outside air inlet must be located to prevent blockage from:

- Leaves
- Snow/ice
- Other debris

Blockage may cause combustion air starvation.

