



The Blower Door Inspection

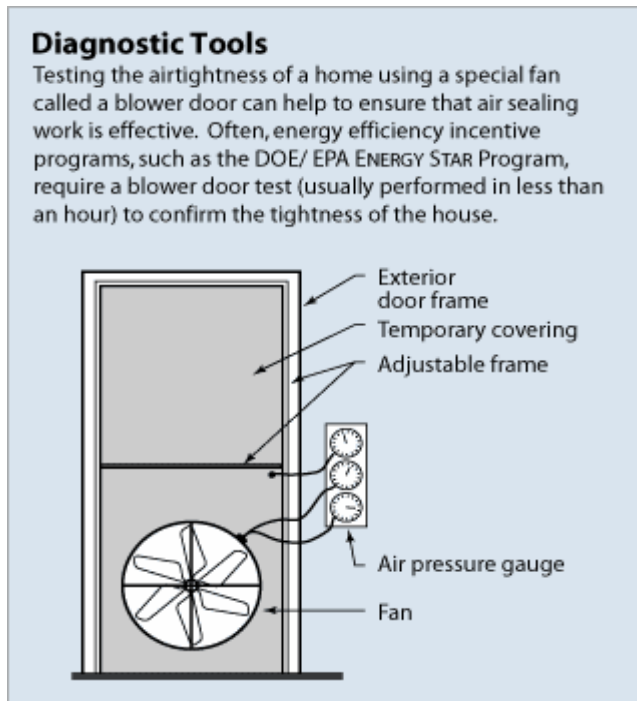
A **blower door** is a powerful fan that mounts into the frame of an exterior door. Professional energy auditors use blower door tests to help determine a home's airtightness.

The reasons for establishing the proper building tightness include:

- Reducing energy consumption due to air leakage
- Avoiding moisture condensation problems
- Avoiding uncomfortable drafts caused by cold air leaking in from the outdoors

How it works

1. The blower door is set up in the frame of an exterior door
2. The fan pulls air out of the house, lowering the air pressure inside. The higher outside air pressure then flows in through all unsealed cracks and openings.
3. The auditor determines how leaky the home is with the handheld blower door gauge, called a manometer.
4. The auditor then inspects the home to determine the size and location of all air leaks.



Source: U.S. Department of Energy Efficiency & Renewable Energy
http://www.eere.energy.gov/consumer/your_home/

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