

RADON MITIGATION SYSTEMS

The installation of a radon mitigation system is recommended when a radon test indicates radon levels in the home are elevated above the U.S. Environmental Protection Agency action level of 4 picocuries per liter (pCi/L).

Types of Systems

Over 99 percent of radon systems are of the subslab depressurization type. Subslab depressurization systems use a fan to create suction beneath the slab(s) in contact with the ground and discharge above the roofline where the radon is dispersed.

Typical Installation Costs

Costs can vary, but most installations fall between \$800 and \$1,200. Cost factors may include local market forces, subslab material, size of the home's footprint and building construction techniques.

Pennsylvania Radon Mitigation Standards

After new construction's occupancy, all professionally installed radon systems must be installed by Pennsylvania **certified** radon mitigators and follow the Department of Environmental Protection's (DEP) publication entitled *Pennsylvania Radon Mitigation Standards* (available at the website listed below). A condensed Consumer Radon Mitigation Checklist is on the reverse side of this fact sheet.

Follow-up Testing

A follow-up test after mitigation is the only way to know if the system is reducing levels to below 4 pCi/L. If the system is installed in the summer, it is reasonable to retest in the opposite season (winter) to ensure it is still operating properly.

Recommendations on Hiring a Mitigator

1. Ensure the person is Pennsylvania-**certified** to do the work. A list of certified radon mitigators is available on the DEP website. You can also call the Radon Hotline at 800-237-2366.
2. It is recommended to have the contractor visit the house to provide a bid. Several bids may be appropriate.
3. Carefully check the written bid/contract to ensure the contractor's guarantee is to get the home below 4 pCi/L for the quoted price. Verify that verbal and written guarantees match.

Fan Longevity

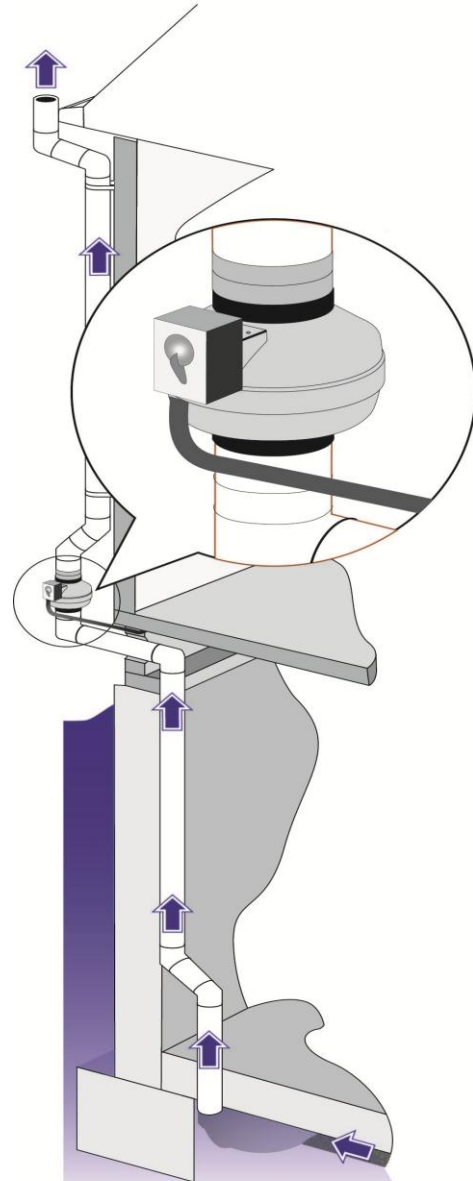
Most radon fans have a five-year manufacturer's warranty and will typically last much longer.

System Operating Costs

Annual operating costs may be from \$30 to over \$100 based on fan size, access to crack sealing at time of installation and other variables.

Additional Information

For more information, visit www.dep.state.pa.us, keyword: Radon, or contact DEP's Radon Hotline at 800-237-2366.



**Commonwealth of Pennsylvania
Department of Environmental Protection
Bureau of Radiation Protection**

Consumer Radon Mitigation Checklist

From the Pennsylvania Radon Mitigation Standards (effective Dec. 1, 1997).

This checklist is for an active subslab depressurization system. A "yes" answer below indicates proper installation.

1. Has a radon test been performed after mitigation? **yes** no
 - a. Do you have the results? **yes** no
2. Does the radon system discharge above the edge of the roof? **yes** no
3. Is the fan located in an attic, garage or outside the building shell? **yes** no
4. Is there a gauge on one of the pipes to monitor the system? **yes** no
5. Does the system label include:
 - a. Installer's name and phone number? **yes** no
 - b. Installer's DEP certification number? **yes** no
6. Is there an information packet attached to the system? **yes** no
7. Are accessible cracks caulked and sealed in the basement? **yes** no

Comments: _____

If there are any discrepancies with the radon mitigation system, call the mitigator and request action to bring the system into compliance. If no action is taken within 30 days, call the Pennsylvania Radon Hotline at 800-23RADON (800-237-2366) or mail details (please include photo if possible) to:

Department of Environmental Protection
Bureau of Radiation Protection
Attention: Radon Division
P.O. Box 8469
Harrisburg, PA 17105-8469