

INSTALLATION AND OPERATING COST TABLE

Technique	Typical Radon Reduction	Typical Range of Installation Costs (Contractor)	Typical Operating Cost Range for Fan Electricity & Heated/Cooled Air Loss (Annual)	Comments
Subslab Suction (Subslab Depressurization)	50 - 99%	\$800 - 2500	\$50 - 200	Works best if air can move easily in material under slab
Passive Subslab Suction	30 - 70%	\$550 - 2250	There may be some energy penalties	May be more effective in cold climates; not as effective as active subslab suction
Drain tile Suction	50 - 99%	\$800 - 1700	\$50 - 200	Can work with either partial or complete drain tile loops
Blockwall Suction	50 - 99%	\$1500 - 3000	\$100 - 400	Only in homes with hollow blockwalls; requires sealing of major openings
Sump Hole Suction	50 - 99%	\$800 - 2500	\$50 - 250	Works best if air moves easily to the sump from under the slab
Submembrane Depressurization in a Crawlspace	50 - 99%	\$1000 - 2500	\$50 - 250	Less heat loss than natural ventilation in cold winter climates
Natural Ventilation in a Crawlspace	0 - 50%	none \$200 - 500 if additional vents installed	There may be some energy penalties	Costs variable
Sealing of Radon Entry Routes	See comments	\$100 - 2000	None	Normally only used with other techniques; proper materials & installation required
House (Basement) Pressurization	50 - 99%	\$500 - 1500	\$150 - 500	Works best with tight basement isolated from outdoors & upper floors
Natural Ventilation	Variable/ Temporary	none \$200 - 500 if additional vents installed	\$100 - 700	Significant heated/cooled air loss; operating costs depend on utility rates & amount of ventilation
Heat Recovery Ventilation (HRV)	Variable/ See comments	\$1200 - 2500	\$75 - 500 for continuous operation	Limited use: effectiveness limited by radon concentration and the amount of ventilation air available for dilution by the HRV. Best applied in limited-space areas like basements.
<u>Private Well Water Systems:</u> Aeration	95 - 99%	\$3000 - 4500	\$50 - \$150	Generally more efficient than GAC; requires annual cleaning to maintain effectiveness & to prevent contamination; requires venting radon to outdoors
<u>Private Well Water Systems:</u> Granular Activated Carbon (GAC)	85 - 95%	\$1000 - 3000	None	Less efficient for higher levels than aeration; use for moderate levels (around 5000 pCi/L or less in water); radioactive radon by-products can build on carbon; may need radiation shield around tank & care in disposal

NOTES: (1) The fan electricity and house heating/cooling loss cost range is based on certain assumptions regarding climate, your house size, and the cost of electricity and fuel. Your costs may vary.
 (2) Costs for cosmetic treatments to the house may increase the typical installation costs shown above.