

Radon Mitigation



Air Systems

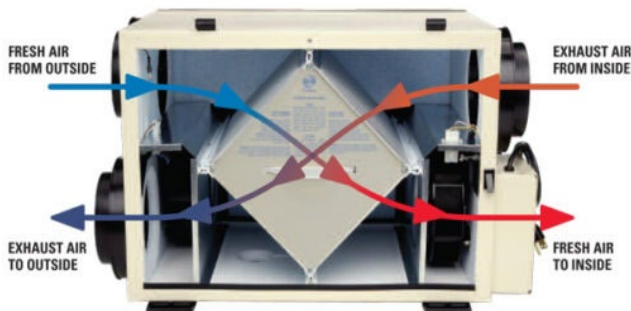
Sub-Slab Depressurization

- Active sub-slab depressurization (ASD) systems are the most common & effective systems. The ASD system uses a pipe and fan to pull radon from beneath the home and exhaust it above the home.
- Passive sub-slab depressurization systems do not use a fan and rely on heat and pressure differences to remove radon. This system is not as effective as the ASD system.



Heat Recovery Ventilation (HRV)

- The HRV system reduces radon levels by about 50%. The system works by exchanging radon air inside the home with fresh, filtered outdoor air. A heating element in the system is used to minimize heat loss.



Water Systems

Aeration

- This system removes radon gas from well water from the home before it is used. The system agitates the water to release trapped radon gas, which is then vented outside of the home.
- This system is the most common and can remove 95-99% of radon.



Granular Activated Carbon (GAC)

- This system uses activated carbon to filter radon from private well water. Radon levels are reduced by 85-95% after being filtered.
- This system is typically recommended for radon levels under 10,000 pCi/L and for the carbon to be replaced every few years due to radioactive build-up in the tank.
- Certified professionals test and handle the carbon filter to ensure safe disposal.

