



HOW E-Z BREATHE™ WORKS / FUNCTIONS

When an E-Z Breathe™ unit is installed and operating in the basement, the moist, cool air is drawn into the bottom of the unit by a quietly powerful, fan and then expelled. This creates an area of decreased pressure at the lower level and causes the warmer, drier air from the upper levels to be drawn downstairs. This is ideal for drying out basements and crawl spaces. The direct effect of the air being expelled and the downward flow of air into the basement creates an air exchange in the house that is six to ten times higher than that of an average home.

IN THE SUMMER

When there is no air conditioning in the upper level of a home, the effect on a humid day is that the temperature of the basement will rise. The warm, dry, air from the first level of the home will be drawn downstairs, creating a more even temperature level.

IN THE WINTER

Water will condense on windows and walls at approximately 40% to 70% relative humidity because this air contains a greater amount of water particles than the cold air outside. After the E-Z Breathe™ is operational, the drier air from upstairs will flow downward, raising the basement temperature and lowering the humidity in the basement. The drier air is easier to heat than the heavy, moist air, thereby saving money on heating bills.

The E-Z Breathe™ process discourages and decreases mold and mildew by preventing the moist air from stagnating and condensing onto cool surfaces. Gases and pollutants that have built up in the home are expelled and replaced with fresh air.