

ZONE	CLIMATE TYPE	MAJOR CITIES	PRIMARY SOLUTION ₁	FRESH AIR DUCTED ₂	ALTERNATE SOLUTION ₃	VENTILATION PRODUCT APPLICATION GUIDANCE
1	Hot & Moist	Miami	8191 or 8192	HVAC Return	8140	High humidity climate zone with elevated moisture levels all year. Remove humidity prior to the air entering the house with the Models 8191/8192. A lower cost installation but less effective solution uses the 8140 in conjunction with the home's cooling system.
2	Hot & Moist	Orlando, Mobile, New Orleans, Houston, Austin, San Antonio	8191 or 8192	HVAC Return	8140	High humidity climate zone with elevated moisture levels all year. Remove humidity prior to the air entering the house with the Models 8191/8192. A lower cost installation but less effective solution uses the 8140 in conjunction with the home's cooling system.
2	Hot & Dry	Phoenix, Tucson, S. California	8141 or 8142	HVAC Supply	N/A	Install the fresh air ventilator to the supply side of the HVAC system to ensure distribution of warmer ventilation air when HVAC system is not running. (humidity control in this climate zone is unnecessary). Supply side installations do not require a powered damper. Choose the 8141 or 8142 depending on ease of installation and filter accessibility.
3	Warm & Moist	Charlotte, Charleston, Atlanta, Little Rock, Oklahoma City, DFW	8191 or 8192	HVAC Return	8140	This climate zone can have moisture in the air for an extended periods. Remove humidity prior to the air entering the house with the Models 8191/8192. The 8140 operating in conjunction with the home's cooling system is a good low cost solution as humidity levels are lower during late fall/winter/early spring.
3	Warm & Dry	El Paso, Las Vegas, Los Angeles, Sacramento	8141 or 8142	HVAC Supply	N/A	Install the fresh air ventilator to the supply side of the HVAC system to ensure distribution of warmer ventilation air when HVAC system is not running. (humidity control in this climate zone is unnecessary). Supply side installations do not require a powered damper. Choose the 8141 or 8142 depending on ease of installation and filter accessibility.
3	Warm & Marine	San Francisco, San Jose	8141 or 8142	HVAC Supply	8140	Temperatures and humidity levels are not too extreme. To minimize cost, install 8141 or 8142 ducted to the supply side of the HVAC system, or if access restricts where the air can enter the system, use the 8140 when ducting to the return side.
4	Mixed & Moist	Philadelphia, Washington, Baltimore, Nashville, St Louis, Wichita, Louisville	8140	HVAC Return	8191 or 8192	Humidity levels are high in the summer and early fall/late spring. Install the 8140 and duct to the return side of the HVAC equipment to work in conjunction with operation of the cooling system. Alternatively, to ensure dry air is delivered year round, install the 8191/8192.
4	Mixed & Dry	Albuquerque, Amarillo	8141 or 8142	HVAC Supply	8140	Install the fresh air ventilator to the supply side of the HVAC system to ensure distribution of warmer ventilation air when HVAC system is not running. (humidity control in this climate zone is unnecessary). Supply side installations do not require a powered damper. Choose the 8141 or 8142 depending on ease of installation and filter accessibility.
4	Mixed & Marine	Portland, Seattle	8141 or 8142	HVAC Supply	8140	Temperatures and humidity levels are not too extreme. To minimize cost, install 8141 or 8142 ducted to the supply side of the HVAC system, or if access restricts where the air can enter the HVAC system, use the 8140 when ducting to the return side.
5	Cool & Moist	Boston, Pittsburgh, Columbus, Indianapolis, Detroit, Chicago, Des Moines, Omaha	8140	HVAC Return	N/A	Humidity levels are high in the summer and early fall/late spring. Install the 8140 and duct to the return side of the HVAC equipment to work in conjunction with operation of the cooling system. During winter the 8140 will bring in outdoor air when the heating is on.
5	Cool & Dry	Denver, Salt Lake City, Boise, Reno	8140	HVAC Supply or Return	8141 or 8142	Install the fresh air ventilator to the return side of the HVAC system and wire the control to turn on the system's fan with ventilation to ensure good air mixing in the winter. If good mixing can be achieved with the fresh air duct installed on the supply side, then the 8141 or 8142 is the less expensive option.
6	Cold & Moist	Toronto, Vancouver, Milwaukee, Madison, Minneapolis-St Paul, Sioux Falls	8140	HVAC Return	N/A	Install the fresh air ventilator to the return side of the HVAC system and wire the control to turn on the system's fan with ventilation to ensure good air mixing in the winter. Dehumidification is also a benefit from return side installation.
6	Cold & Dry	Helena, Cheyenne	8140	HVAC Return	N/A	Install the fresh air ventilator to the return side of the HVAC system and wire the control to turn on the system's fan with ventilation to ensure good air mixing in the winter.
7	Extreme Cold & Moist	Fargo, Duluth, Calgary, Edmonton	8140	HVAC Return	N/A	Install the fresh air ventilator to the return side of the HVAC system and wire the control to turn on the system's fan with ventilation to ensure good air mixing in the winter.

Note: The 8126A system will work in all climate zones as a low cost ventilation solution.

₁ Primary Aprilaire Recommended Supply Ventilation Product Solution for optimum performance and building code adherence.

₂ HVAC application considerations based upon moist verses dry air, and proper mixing into the ductwork.

₃ Alternate solution, will meet ventilation requirements but not optimally.