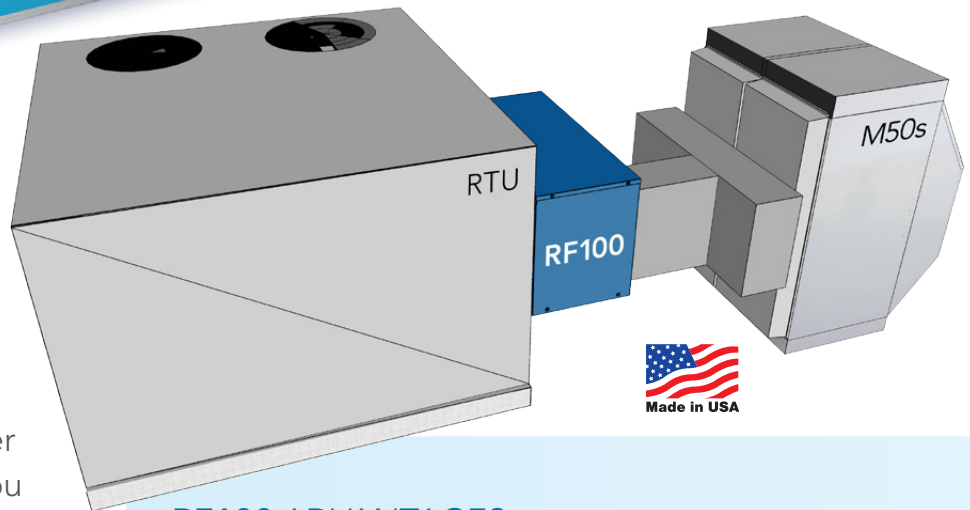




## MEET THE MIDDLEMAN

Our RF100 is engineered to seamlessly connect the cooling power of our M50 to your traditional air conditioner or rooftop unit. This allows you to pre-cool and freshen the air before it enters your existing unit—maximizing your comfort and your energy savings in any weather. This unique pre-cooling process also gives your system an added edge in efficiency and capacity by allowing it to work a lot less while producing cleaner, fresher, and cooler inside air. That can prolong the life of your existing investment and make things a lot easier on your bottom line.



### RF100 ADVANTAGES:

- Significant energy savings – up to 90% in arid climates
- Maximizes cooling efficiency while meeting thermostat set-points in any weather
- Combined EER of 20+
- Reduced runtime on RTU fans and compressors
- No added humidity
- 100% Wet Bulb approach
- Free-cooling when conditions are favorable
- Pre-cooler mode will extend the life of cooling equipment
- Works with existing control systems; simple installation
- Better indoor air quality
- Rapid equipment payback
- 5-year limited warranty
- Low, easy maintenance

## COOLERADO IS GREEN<sup>3</sup>

### Green for your pocketbook



Coolerado air conditioners use up to 90% less energy than conventional systems, saving you a lot of green on your energy bill.

### Green for the planet



Coolerado air conditioners are an environmentally responsible choice, because 90% less energy means 90% less carbon emissions.

### Green for you



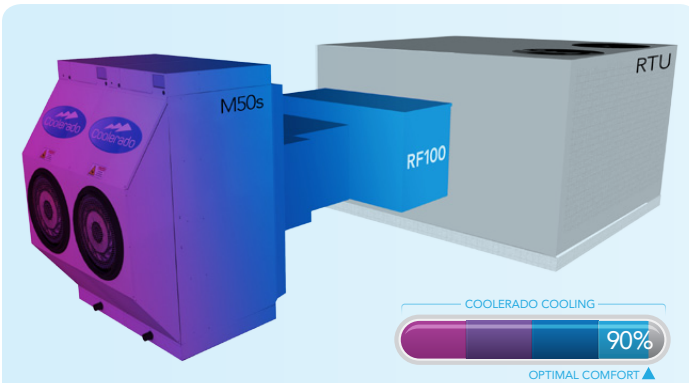
Coolerado air conditioners provide 100% fresh, filtered air, dramatically improving indoor air quality while removing dust, pollens and allergens.

**DOE** | U.S. Department of Energy verified Coolerado has an energy efficiency ratio (EER) of 40+.

**CEC** | California Energy Commission listed Coolerado as an energy efficient appliance.

**PG&E** | Pacific Gas & Electric's evaluation concluded that Coolerado qualified for the highest rebate tier.

**SMUD** | Sacramento Municipal Utility District customer advanced technologies program participant since 2004.

**HOW THE RF100 WORKS:**

**Free-Cooling Mode**

During favorable climate conditions, the RF100 directs cooled, fresh outside air directly into the building, using only the power of Coolerado's energy-efficient fans. The RTU is completely bypassed – causing less strain on its components and extending the life of all cooling equipment. During Free-Cooling mode, Coolerado handles the entire cooling load while providing optimal comfort and giving customers the most economical solution available.


**Pre-Cooling Mode**

When ambient humidity rises, the RF100 directs Coolerado product air into the RTU and enables the RTU fan and first-stage cooling. Coolerado displaces the cooling load on the RTU with a large efficiency advantage, while extending the life of all cooling equipment. During Pre-Cooling mode, up to two-thirds of the Coolerado cooling output can be realized – while ensuring comfort set points are met.

**RF100 STANDARD FEATURES**

- Actuated dampers in adapter box deliver Coolerado free-cooling when conditions are favorable.
- Under more humid conditions, RF100 control logic directs Coolerado pre-cooling air to the RTU coil for final cooling.
- Provides high-efficiency hybrid Coolerado cooling with any RTU and thermostat combination up to 25 tons.
- Easy to connect low-voltage power control wiring.
- Removable adapter box top facilitates control wiring.

**RF100 Electrical**
**RF100 Adapter Electrical:**

- 24V AC From RTU ~ 20VA
- 20V DC From Coolerado Fan

**RF100 Weight**

RF100 Weight: 100 lbs.

