

basement mold?

property damage?

mildew?

musty odors?

allergies?

High-capacity, Quiet, Complete Dehumidification For Your Living Space

Santa·FeTM
Rx



The American Lung Association, American Medical Association, and the EPA recommend maintaining relative humidity level in the 30% - 50% range. When conditions linger above 60% relative humidity for extended periods of time, mold, mildew, and bacteria growth is stimulated. Dust mites and other pest can thrive in conditions above 50% RH, and filters alone will not eliminate these allergens from your air.

Ventilation equipment, filtration devices, and your air conditioning system cannot provide the protection offered by a premium air filtering dehumidifier like the Sante Fe Rx.TM Protecting your family is worth the best.

“APPLICATION-SPECIFIC” DESIGN

The Sante Fe Rx was specifically designed for living spaces that require enhanced air filtration, quiet operation, and automatic condensate removal. Add-on filter options include Carbon Granules, and HEPA filtration. The internal condensate pump allows the unit to be located virtually wherever desired. Heavy duty cabinet design and enhanced insulation ensure quiet and dependable performance. No mass-merchant dehumidifier can perform as efficiently, effectively and quietly as the Sante Fe Rx.

- **Energy Star Listed** – The high efficiency Santa Fe Rx produces nearly 5.2 pints per kilowatt-hour, far better than most mass merchant dehumidifiers. In addition, the Santa Fe Rx requires a relatively low 5.4 amps to operate. Better efficiency means lower operating cost – in many cases saving hundreds of dollars per year in electricity.
- **Superior Air Filtration** – MERV-11 filtration is standard on the Sante Fe Rx, capturing particles (including mold spores) down to 1 micron in size. This level of air filtration also keeps the Sante Fe Rx working at peak efficiency longer than other devices with cheaper designs. If increased filtration is desired, an optional secondary filter housing is offered that can provide HEPA-level filtration. Better, cleaner air for better living.
- **High Efficiency** – The high efficiency Sante Fe Rx produces over 5.2 pints per kilowatt-hour, far better than most mass merchant dehumidifiers.
- **Internal Condensate Pump** – The Sante Fe Rx was engineered for trouble-free, bucket-free operation. While many mass-merchant dehumidifiers require frequent emptying, or placement near a drain, the Rx offers the flexibility to locate virtually anywhere you want.
- **Large Capacity** – The large capacity Sante Fe Rx provides up to 74 pints per day water removal at standard rating conditions*. Large-sized spaces (up to 2200 sq. ft.) are no problem for the Sante Fe Rx.
- **Quiet Operation** - The engineers at Thermo-Stor designed the cabinet of the Sante Fe Rx for long-life and quiet performance. Enhanced insulation and air flow design make this dehumidifier a superior performer.

*AHAM standard testing conditions are 80°F and 60% RH.

Large capacity dehumidification



Magnified photos of dust mite and mold spores.



“ I had an unhealthy level of humidity in my condo. The central air conditioning was not removing enough moisture. Once I got the Santa Fe Rx the humidity level dropped from 70% to the 40% throughout the condo. I also purchased the optional filter frame and HEPA grade filter. My health and comfort are much improved. I love the freedom of not having to empty the reservoir — the built in condensate pump is great. ”

— Mrs. McCarter, Millbrook, NY



ELIMINATING ALLERGENS

Dust mites and mold are the two most common allergens present in higher humidity environments. These allergens do not require liquid water to thrive — they only require environmental humidity levels from 65% to 99% to thrive.

Dust mites live in upholstered furniture, carpets, and mattresses. They absorb their moisture needs from the air. Molds are fungi. They only require high humidity and an organic-based material on which to feed. It is no surprise that they are plentiful in humid environments. Cooler surfaces create a perfect breeding area for mold because the relative humidity at the surface will be near 100%. The surface may even be wet with condensation.

Mold growth can be eliminated in the home through humidity control that maintains reduced relative humidity levels and prevents cooler surfaces from becoming damp.

Keeping your relative humidity at 50% or less eliminates mold, mildew and dust mites.

LARGE CAPACITY DEHUMIDIFICATION

Because basement and crawlspace floors and walls are in contact with the soil, and soil temperatures several feet below the surface remain at a constant temperature of 50°F– 60°F. Basement and crawlspace floors and walls tend to remain cool. Since basements and crawlspaces tend to be cool and cool air holds less moisture than warm air, they will have higher relative humidity.

Typically, the closer to ground level, the larger the area, and the damper the environment, the more capacity that will be necessary to dry out the area. Capacity is usually measured in the number of pints of water that a dehumidifier can remove from the air at a given temperature over a given period of time.

Capacities for residential dehumidifiers are measured in pints of water removed per day at standard conditions. Standard conditions are determined by the American Home Appliance Manufacturers (AHAM) and are used because capacity will vary under different conditions. AHAM standard rating conditions are 80°F and 60% RH. The capacity of the Santa Fe Rx is 74 pints per day. Most standard residential units range from 20 to 65 pints of water removal per day. However, most basements and crawlspaces are cooler than 80°F and therefore the water removal capacity of the standard residential unit will be diminished significantly.

A large capacity dehumidifier is necessary to ensure that enough moisture is removed at the real-world temperature of your basement or crawlspace to prevent mold, mildew and bacterial growth. The Santa Fe Rx is a large-capacity dehumidifier designed for these cooler applications.

SANTA FE RX FILTRATION

Standard air filtration is provided by a pleated polyester and cotton blend media filter located at the air intake at the top of the unit. The efficiency rating of this filter is 65% in the ASHRAE 52-76 Dust Spot Test and MERV-11 in the ASHRAE Dust Spot Test.

The optional HEPA filter is a micro-glass paper mini-pleat filter located in a special housing mounted on the back of the Santa Fe Rx cabinet. The efficiency rating of this filter is 99.97% on the D.O.P. Test.

The special filter housing can be used to hold two 16" x 20" x 3" activated carbon and potassium permanganate blend filters and two 16" x 20" x 1" pleated filters instead of the HEPA filter.

If HEPA filtration is required in addition to activated carbon and potassium permanganate filtration, loose-fill carbon and potassium media is available in 5 gallon containers that can be loaded onto the pleats of the pre-filter.

Performance and Technical Specs

Part Number:	4023673
Blower:	230 CFM @ 0.0" WG
Power:	630 Watts @ 80°F and 60% RH
Supply Voltage:	115 volt – 1 phase – 60 Hz
Current Draw:	5.4 Amps
Energy Factor:	2.45 L/kWh
Operating Temp.:	45°F Min., 95°F Max. (70°F recommended)
Sized for:	2200 Sq. Ft. - Typical



Minimum Performance at 80°F and 60% RH

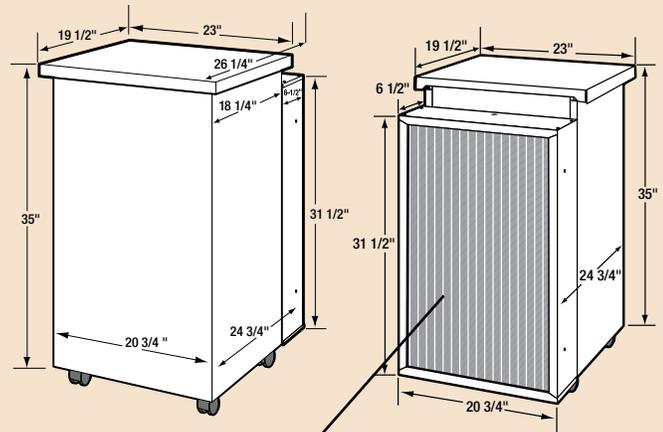
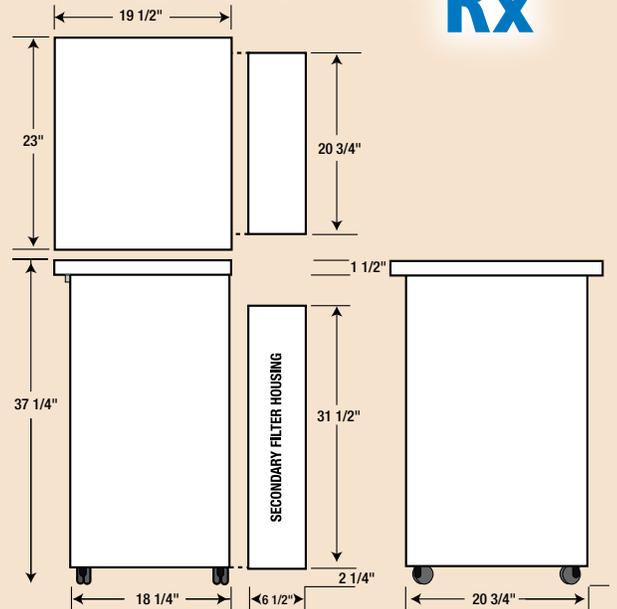
Water Removal:	74 Pints/Day
Efficiency:	5.2 Pints/kWh
Air Filter:	MERV-11
Efficiency	Standard 65% Efficient, ASHRAE Dust Spot Test
Size:	16" x 20" x 2"
Power Cord:	10' – 110-120 VAC, Ground
Drain Hose:	3/16" ID x 20' of drain hose with 15' lift capacity; Internal Pump Included

Santa Fe Rx Dimensions

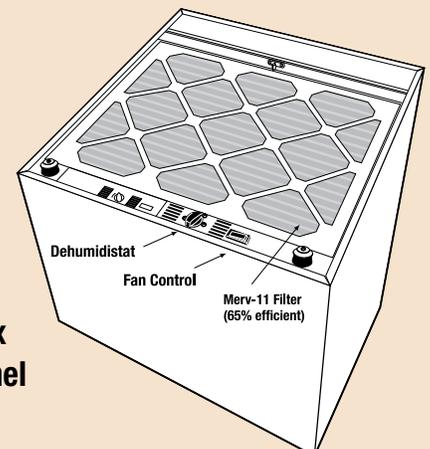
	Dimensions	Dimensions with Secondary Filter Housing	Shipping
Width:	23"	23"	29"
Height:	37-1/2"	37-1/2"	46"
Depth:	20"	24-5/8"	29"
Weight:	130 lbs		172 lbs.

OPTIONAL ACCESSORIES

4021475	MERV 11 Filter
4027420	MERV 11 4-Pack
4027424	MERV 11 12-Pack
4022220	Pump Kit
4023869	Filter Housing
4022489	Filter MERV 14
4024145	Filter HEPA
4024528	Bulk Carbon Granules



Santa Fe Rx with Secondary Filter Housing



Santa Fe Rx Control Panel

Do you know the relative humidity levels in your home?



4026208

The Humidity Alert™ was designed by Therma-Stor to discriminate between occasional periods of high humidity and the prolonged periods that create a risk of unhealthy biological activity. It's a simple, inexpensive device that monitors temperature and relative humidity conditions and records data that is known to contribute to wood rot, mold growth, musty odors and increased pest activity.

EAST TO USE:

1. Place the meter in the desired space.
2. Collect the necessary humidity data.
3. Adjust your Santa Fe dehumidifier to a desired humidity setting.

humidity alert™