

# ENVIRO

# ULTRA EFFICIENT DEHUMIDIFIER

AIR QUALITY LLC

## Ultra Efficient Humidity Control

The Enviro Air SF is a high efficiency residential dehumidifier that utilizes refrigeration to cool the incoming air stream below its dew point as it passes through the dehumidification (evaporator) coil. This cooling results in the removal of moisture (latent heat) and reduction of the temperature (sensible heat). The cooled and dried air is used to pre-cool the incoming air stream resulting in up to a 200 percent increase in overall efficiency. After the pre-cooling stage the processed air is reheated by passing through the condenser coil. The latent heat removed by the evaporator coil is returned to the air stream at this stage as sensible heat, resulting in an overall increase in temperature from the incoming air.

- The Enviro Air SF is controlled by a dehumidistat with positive "ON" and "OFF" settings and a variable setting range from "20%" to "80%".
- The Enviro Air SF has a built-in defrost system that is designed for operation down to 55oF.
- The unit contains a blower switch that permits continuous blower operation independent of dehumidification.
- The Enviro Air SF is portable and provided with four casters.
- The unit contains a six foot vinyl, gravity drain hose.
- The wiring of the unit is through a factory installed six foot power cord; 115 volt with ground.

### The Enviro AirSF Ultra Efficient Dehumidifier:

**Removes Over 100 Pints of Water Per Day**  
*Triple the performance of other dehumidifiers*

**2-3 Times More Efficient**  
*5 to 8 pints per Kwh*

**Plugs Into Standard Outlet**  
*Draws less than 7 amps*

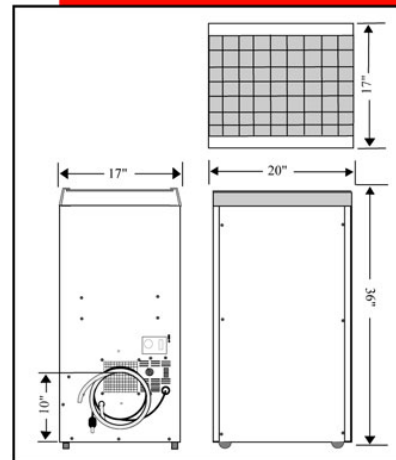
**Automatic Defrost System**  
*Operates down to 55o F.*

**Optional Duct Kit**  
*Remote location for finished basement*

**Satisfaction Guaranteed**  
*Or your money back*



*The Enviro Air SF is over twice as efficient than other dehumidifiers.*



DIMENSIONS:		SHIPPING SPECS	
Width:	20 inches	28 inches	
Height:	36 inches	45 inches	
Depth:	17 inches	24 inches	
Weight:	110 lbs.	127 lbs.	

Enviro Air SF Capacities and Performance*:	
Blower	250 CFM (0" W.G.)
Kilowatts	.61 (80F. 60%)
Supply Voltage	115 volt -1phase - 60 Hz.
Amps	6.8

Minimum performance at set conditions:		
Intake Air	70, 60%	80, 60%
Water removal (24hrs)	85 lbs	90 lbs
Pints/KWH	5.3	6.8

\* Specifications subject to change without notice

## Does your basement smell like a basement?

When adequately applied, the ultra-efficient Enviro Air SF dehumidifier is guaranteed to cure your basement relative humidity problems - or your money back!

- 100 pints per day capacity, AHAM test conditions (80°F/60%)
- Operating costs equal to a conventional residential dehumidifier
- Portable - plugs into a standard 15 amp, 110 volt outlet.
- Operates down to 55°F. Will not freeze-up in normal basement conditions.

### Benefits of owning a Enviro Air SF

Relative humidity levels rising above 55% stimulate the growth of mold, mildew, bacteria and other biological allergens, which generates those "musty" basement odors. The lower relative humidity eliminates those musty odors. Your basement won't smell like a basement! The Enviro Air SF Ultra Efficient Dehumidifier will maintain the basement relative humidity between 45-50%. And unlike other residential dehumidifiers that freeze-up in cool conditions, the Enviro Air SF is designed to operate down to 55°F and will continue to effectively remove humidity. The Enviro Air SF also adds a little heat to the basement air. So a cold, damp basement becomes a little warmer and a lot drier.

The reduced humidity creates a less hospitable climate for many "bugs," including dust mites, centipedes, silver-fish, and spiders. Your basement will have fewer "creepy critters."

Now your basement can be used for additional comfortable living space and the safe storage of clothing, books, heirlooms, and collectibles.

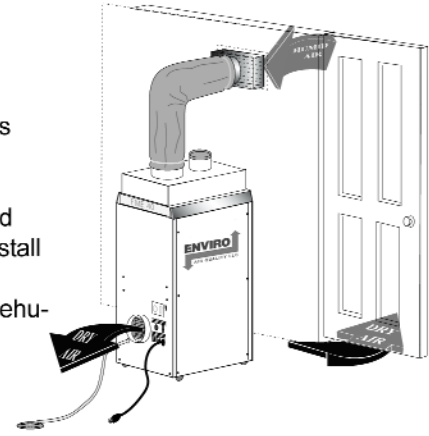
Therma-Stor dehumidifiers can be found in museums, libraries, and art galleries.

**Call for More Information**  
**1-866-668-6345**

ph. 631-668-6345 fx. 631-668-0151

### Enviro Air SF (Remote Ducted Installation)

A duct kit is available for remote installations when an area requires humidity control and locating the Enviro Air SF in that area is not practical. One simple ducting strategy is to attach the intake duct hood to the Enviro Air SF and install ducting to draw air to the Enviro Air SF. Discharge dehumidified air in utility area. Be certain the air is not directed toward a wall or other obstruction. Humid air is drawn into the dehumidifier from an adjacent room. This air will be replaced by dehumidified air drawn into this room through wall and ceiling cavities and the undercut of doors. Since the dehumidified air is slightly warmer, discharging this air into the utility area allows some of the heat to be absorbed before it is drawn into the finished area. A remote dehumidistat may be desired in some installations.



### Enviro Air SF (Free-Standing Installation)

Position the Enviro Air SF so the dehumidified air will not be directed toward a wall or other obstruction. Simply plug the Enviro Air into a standard 15 amp, 110 volt grounded outlet.

Direct gravity drain hose to floor drain. Drain hose can be extended using 1/2 inch pvc pipe.

Condensate pump kit is available if gravity drain is not possible. An optional muffler kit is available to reduce air flow sound level.

