

# Installation & Owner's Manual

Basement and Crawl Space Dehumidifier



Designed in Seymour, CT by SaniDry Corporation, LLC

[www.SaniDrySedona.com](http://www.SaniDrySedona.com)



# TABLE OF CONTENTS

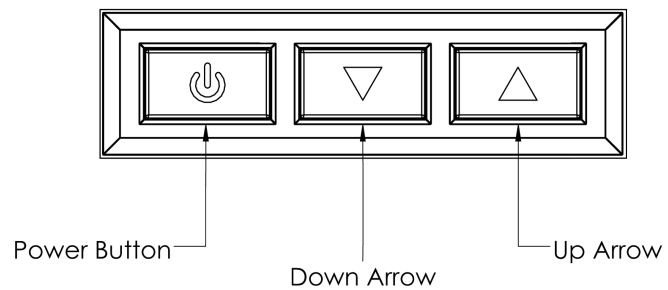
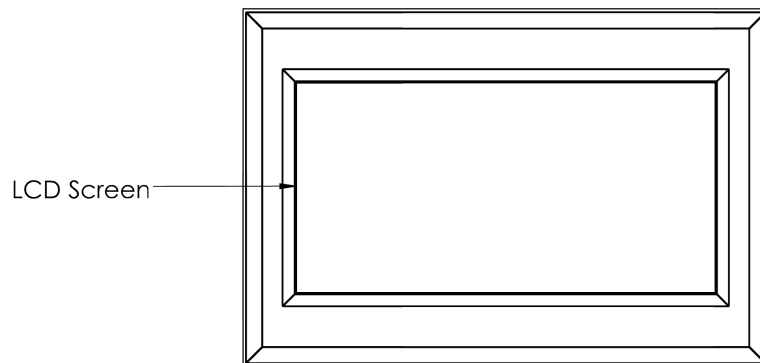
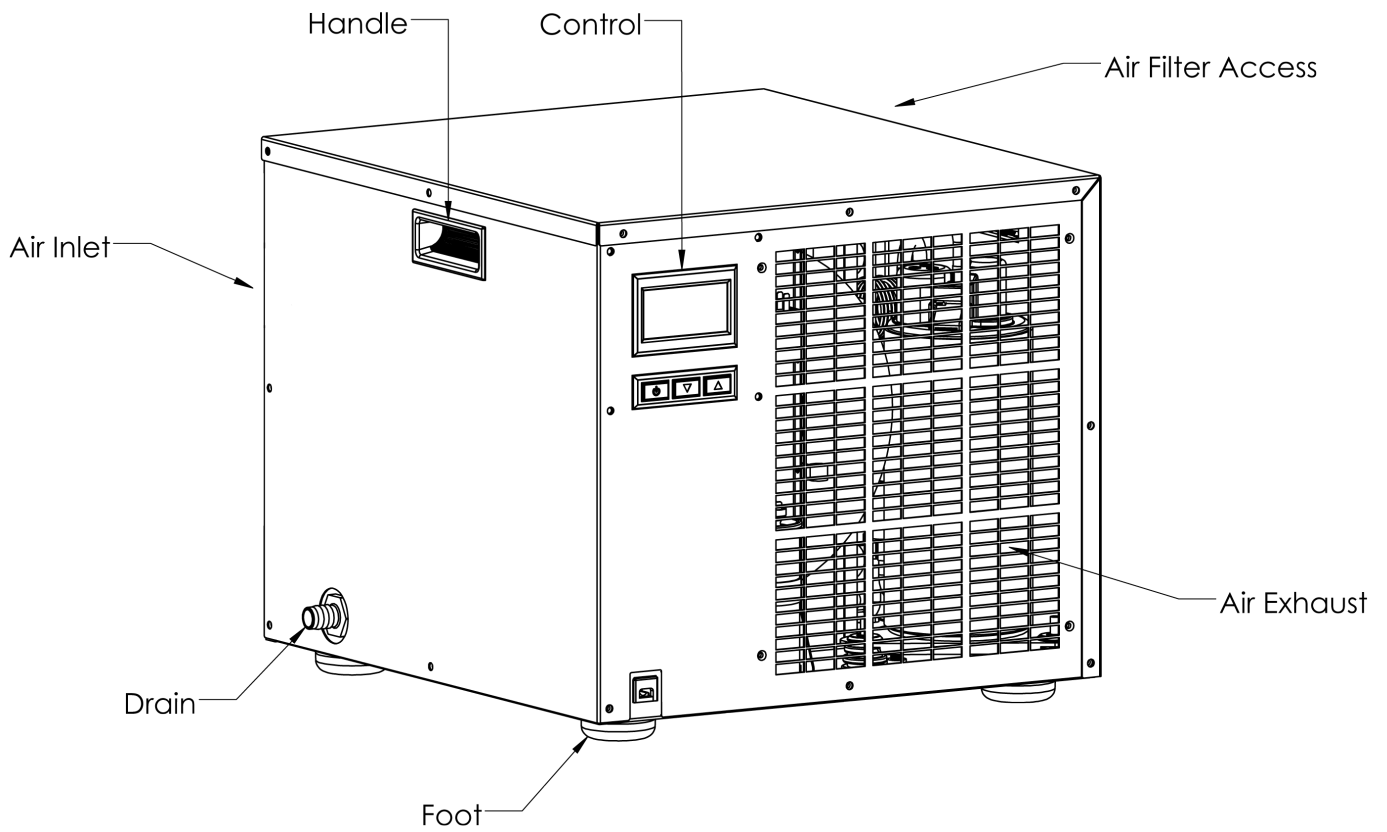
1. Safety Precautions . . . . .	3
2. Electrical Diagram . . . . .	3
3. Specifications . . . . .	4
4. Diagram of Unit. . . . .	5
5. Installation . . . . .	6
6. Operation . . . . .	8
6.1 Quick Start Guide . . . . .	8
6.2 Changing the Humidity Setting . . . . .	8
6.3 Modes of Operation . . . . .	8
6.4 Fail Safe Mode . . . . .	8
7. Maintenance . . . . .	9
7.1 Air Filter . . . . .	9
7.2 Annual Maintenance . . . . .	9
8. Troubleshooting . . . . .	10
8.1 Error Messages . . . . .	10
8.2 Troubleshooting Guide . . . . .	10
9. Service and Replacement Parts . . . . .	11
10. Additional Equipment . . . . .	12
11. Ducting . . . . .	12
12. Condensate Pump Installation . . . . .	14
13. Warranty . . . . .	15



### 3. Specifications

<b>Model</b>	Sedona (SS100)
<b>Capacity</b>	95 pints per day, @ 80°F, 60% RH
<b>Efficiency</b>	2.90 L/kWh
<b>Supply Voltage</b>	115 Volt – 1 phase – 60 Hz
<b>Power</b>	644 Watts, @ 80°F, 60% RH
<b>Current Draw</b>	5.60 Amps
<b>Operating Conditions</b>	40°F – 100°F, 34°F Dew Point Minimum
<b>Humidity Set Point Range</b>	40% RH – 80% RH
<b>Airflow</b>	310 CFM @ 0.0" WG
<b>Sized For</b>	2,000 – 3,500 sq.ft.
<b>Air Filter Rating</b>	MERV 8, Pleated
<b>Air Filter Size</b>	15.30" x 13.18" x 1.75"
<b>Power Cord</b>	10', LCDI Protected
<b>Drain Connection</b>	3/4" Threaded Female NPT
<b>Drain Hose</b>	8' Gravity Drain Hose, 5/8" ID x 7/8" OD
<b>Refrigerant</b>	R410A, 19.2 Ounces
<b>Dimensions</b>	17.5" L x 16.0" W x 14.375" H
<b>Weight</b>	63 lbs

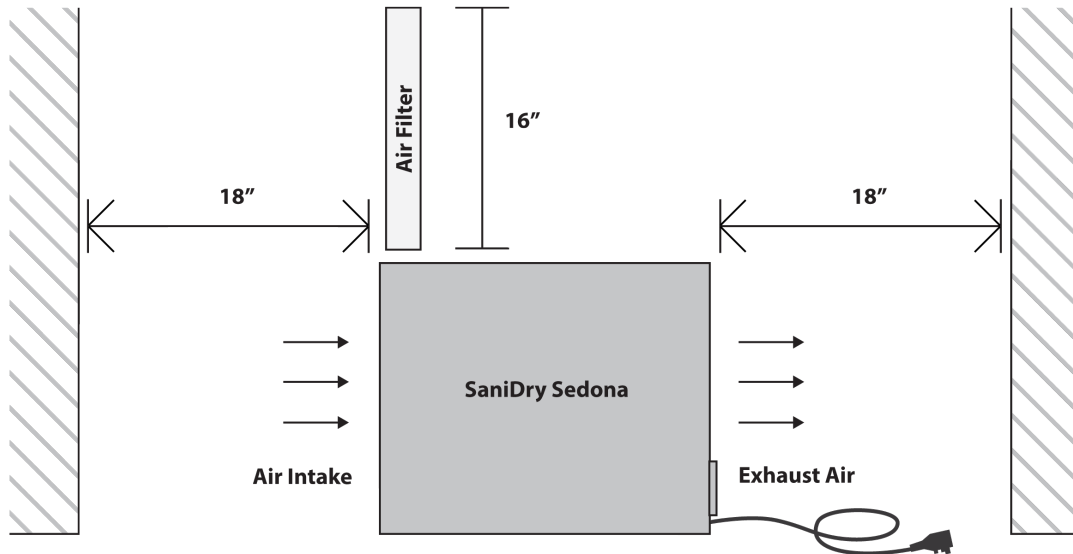
## 4. Diagram of Unit



## 5. Installation

**Step 1:** Install the SaniDry Sedona in a basement, crawl space, or living space on a level surface in a location that has:

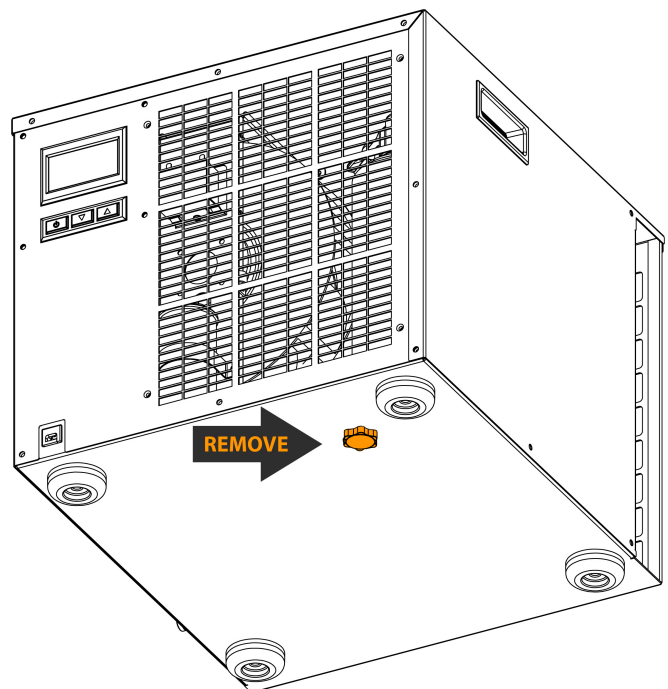
1. Access to a 115 volt electrical outlet.
2. An appropriate drain available (sump pump or floor drain).
3. No obstructions within 18" of the intake or exhaust grilles or filter slot.



**Step 2:** Remove the compressor shipping bolt from the bottom of the unit by unscrewing it by hand.



**CAUTION:** This bolt is designed to prevent the compressor from moving during shipping and causing damage. Failure to remove this compressor shipping bolt will cause a loud rattle.



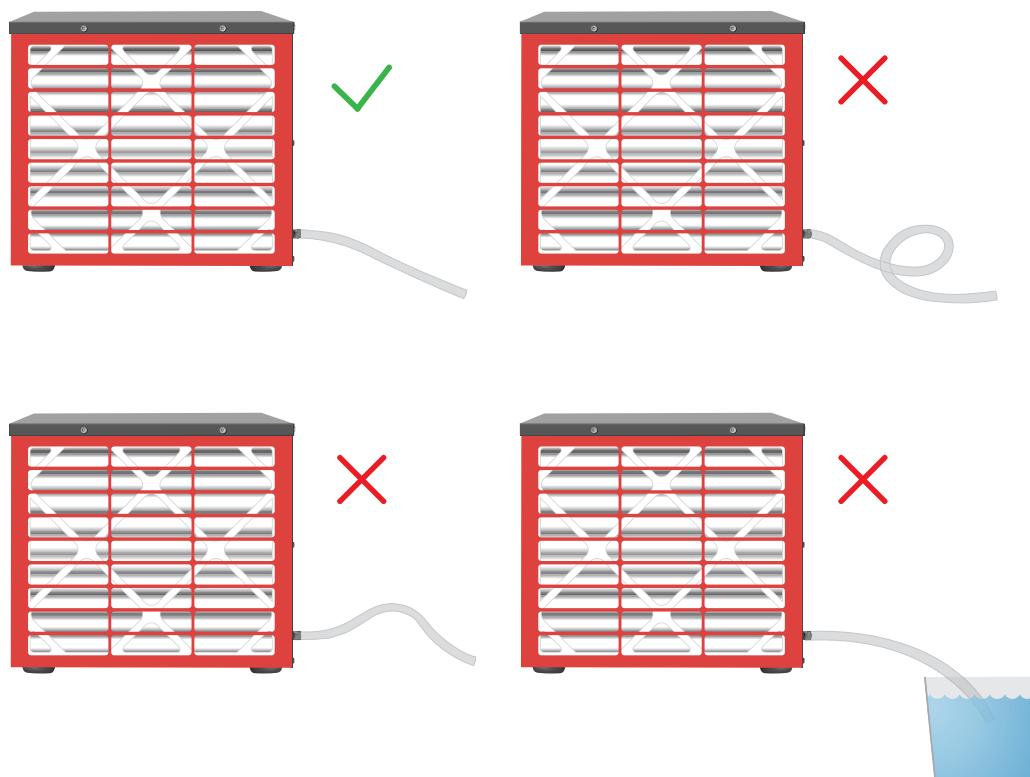
**Step 3:** Ensure the unit is level by using a bubble level on the top of the unit. In addition to Sedona Leveling Chips, masonry or wood blocks may be placed under the feet of the unit to make it level.

**Step 4:** Press the drain hose onto the barbed drain hose adapter and secure it by tightening the hose clamp.

**Step 5:** Route the drain hose so that it slopes continuously downhill to the drain according to figure 2. Cut the drain hose to the appropriate length, ensuring there is no excess hose coiled up. If draining into a sump pump, cut the hose so that it protrudes no more than 4 inches into the sump lid. Make sure the end of the drain hose is not submerged in water.



**CAUTION:** The unit may overflow if the end of the hose is submerged in water or the hose does not continuously slope downhill away from the unit.



**Step 6:** Plug the unit's power cord into a 115 volt electrical outlet.

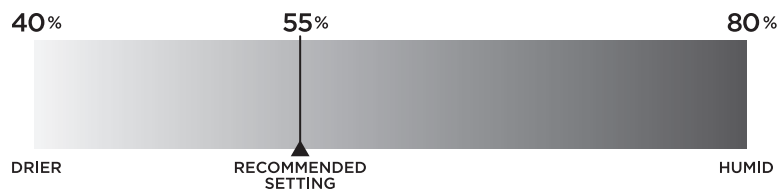
## 6. Operation

### 6.1 QUICK START GUIDE

**Step 1:** Press the  button to turn the Sedona on. The default relative humidity setting is 55%.

### 6.2 Changing the Humidity Setting

The recommended humidity setting is 55%. If you would like to make your basement or crawl space drier or more humid, the Sedona's relative humidity setting can be adjusted from 40% to 80%. Press the UP ARROW to increase the relative humidity setting, and press the DOWN ARROW to decrease the relative humidity setting. The lower the relative humidity setting, the drier your basement or crawl space will be. However, setting the humidity below 55% is unnecessary and will result in higher electric costs and more wear and tear on the unit.



### 6.3 Modes of Operation

The Sedona features one simple mode of operation – AUTO DEHUMIDIFY

If the temperature of the air is low, the Sedona may develop frost on its evaporator coil. In this case the unit will go into defrost cycle and begin to thaw the frost on the coil. The unit will continue to dehumidify normally when the coil is completely thawed.

### 6.4 Fail Safe Mode

In the event there is a non-critical error with the unit, such as a faulty sensor, the unit will display FAIL SAFE MODE on the screen as well as the description of the error. Fail Safe Mode protects both the unit and the environment by prompting the unit to run for a set amount of time before it turns off for a set amount of time. This provides dehumidification for the environment while preventing the unit from becoming damaged. If the unit is in Fail Safe Mode, call your SaniDry dealer for service.



## 7. Maintenance

### 7.1 Air Filter

The Sedona uses a special 2 inch pleated MERV 8 air filter with carbon infused into the filter material. It is recommended that you change the air filter every six months or more frequently depending on conditions in order to ensure proper operation of the dehumidifier. To remove the air filter, slide the air filter horizontally out of the filter slot. Replacement air filters can be purchased from the dealer you purchased the Sedona from. To install the new air filter, make sure the arrows on the side of the filter are in the same direction as the airflow indication arrow on the side of the unit. Gently slide the air filter into the filter slot until it stops flush with the cabinet of the unit. Do not force the air filter into the filter slot.



**CAUTION:** Never operate the Sedona without a proper clean air filter! Failure to use an air filter or the correct air filter or operating the unit with a dirty air filter could result in the refrigeration coils becoming clogged with dirt, which could cause failure of the unit.



### 7.2 Annual Maintenance

It is recommended that your Sedona be serviced every 12 months to ensure efficient operation and longevity.

## 8. Troubleshooting

### 8.1 Error Messages

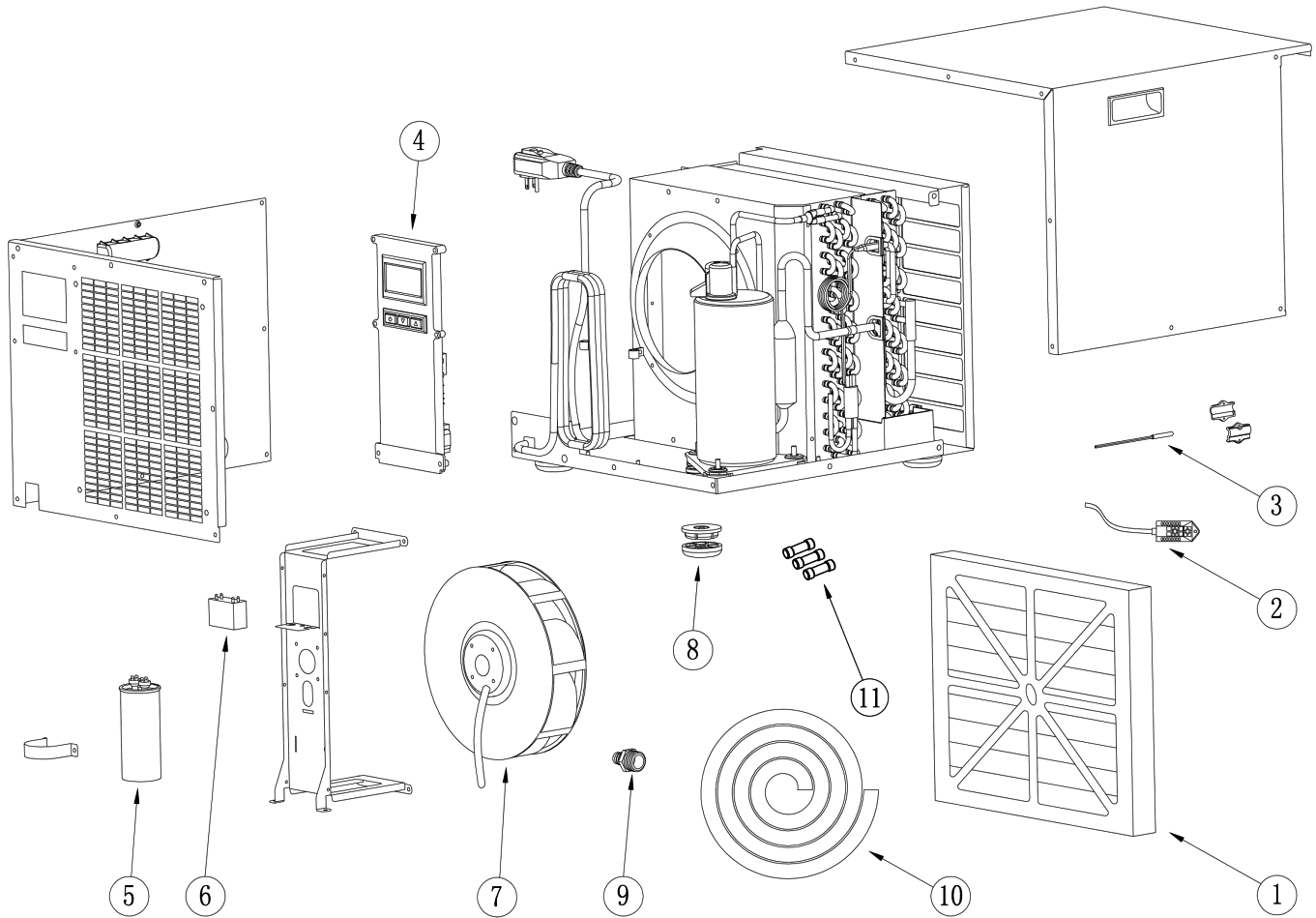
If there is an error with the unit, the appropriate error message will be displayed on the LCD along with "SERVICE UNIT".

Error Message	What to Do
RH Sensor (Fail Safe Mode)	Call your local SaniDry dealer for service.
Defrost Sensor (Fail Safe Mode)	Call your local SaniDry dealer for service.
Fan Error or Low Refrigerant	Call your local SaniDry dealer for service.
Temperature too low to run	Nothing. Unit will restart automatically.
Dew Point too low to run	Nothing. Unit will restart automatically.

### 8.2 Troubleshooting Guide

Symptom	What to Do
Dehumidifier does not turn on.	<ul style="list-style-type: none"><li>• Check that the dehumidifier is plugged in.</li><li>• Check that the LCDI power cord is not tripped by hitting "reset".</li><li>• Check that the control is turned on.</li><li>• Check that the circuit breaker has not tripped.</li><li>• Test the outlet the unit is plugged into for 110-120V with an outlet tester.</li></ul>
Fan is on but little or no air is coming out.	<ul style="list-style-type: none"><li>• Replace the air filter.</li></ul>
Fan is on but compressor is off.	<ul style="list-style-type: none"><li>• Unit is in defrost cycle. Check that there is nothing obstructing airflow. Otherwise no action is needed.</li></ul>
Unit is not draining properly or leaking out of the cabinet.	<ul style="list-style-type: none"><li>• Check that the unit is level.</li><li>• Check that the drain hose is not blocked or submerged.</li><li>• Check that the drain hose continuously slopes downward.</li></ul>
Unit is producing warm air.	<ul style="list-style-type: none"><li>• This is normal. The dehumidified air will be slightly warmer.</li></ul>
Unit is producing cold air.	<ul style="list-style-type: none"><li>• Unit is in defrost cycle. Check that there is nothing obstructing airflow.</li></ul>

## 9. Service and Replacement Parts



1	Air Filter	07126
2	Humidity/Temperature Sensor	06611
3	Defrost Sensor	06612
4	Control Assembly	06613
5	Compressor Capacitor	06614
6	Fan Capacitor	06615
7	Fan	06616
8	Feet with Rubber Cushions (4)	06617
9	Hose Barb	06618
10	Drain Hose	06619
11	Fuse Set (3)	06610K

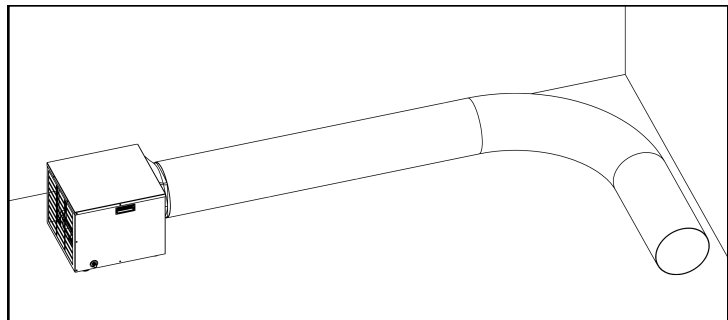
## 10. Additional Equipment



1	Leveling Chips	06620
2	Intake Duct Adapter	06621
3	Exhaust Duct Adapter	06622
4	Condensate Pump	02215

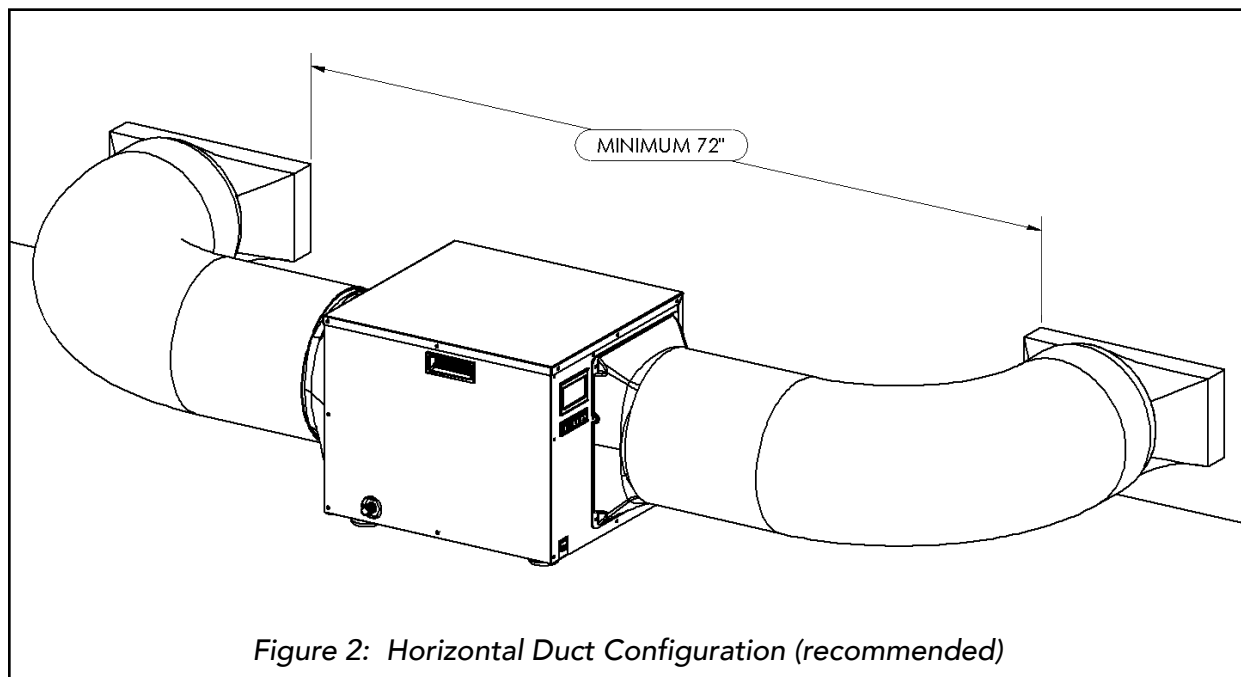
## 11. Ducting

It is possible to enhance circulation of the dehumidified air by ducting the Sedona's exhaust to a different part of the basement or crawl space using the exhaust duct adapter and flex duct as shown in *Figure 1*. Although it is not necessary, this is useful for large crawl spaces with poor air circulation.



*Figure 1: Optional Air Circulation Duct Configuration*

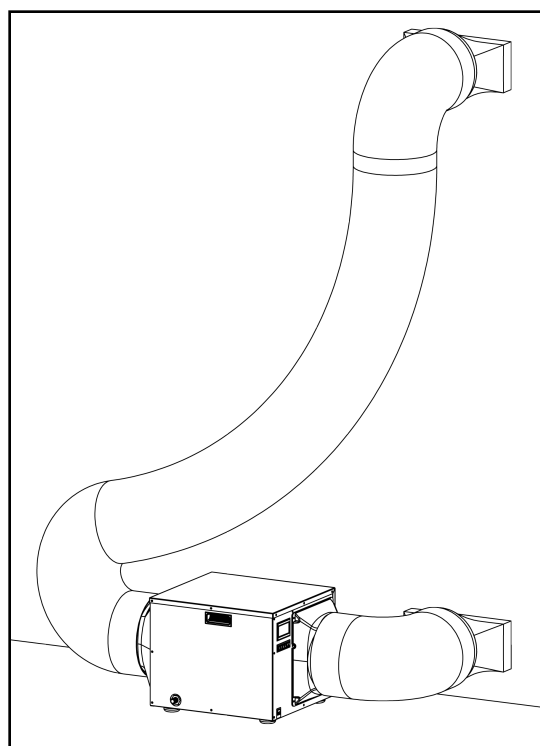
The Sedona can be ducted into and out of a finished space using the duct adapters, 10" flex duct, and the appropriate duct boots and grilles available from your SaniDry dealer. The recommended ducting configuration is to circulate the intake and exhaust air out of and back into the same room with the ducts running horizontally at the height of the unit as shown in *Figure 2*. Make sure there is at least 72" between the duct boots to ensure proper circulation of the dehumidified air.



Alternatively, the Sedona can be ducted with the grilles in a vertical orientation as show in *Figure 3*. This is only recommended if the horizontal ducting configuration is not possible, or if the duct boots and registers have already been installed and the Sedona is replacing an older model dehumidifier. With either configuration, always use the shortest amount of duct possible to ensure proper airflow.



**CAUTION:** Always duct air both to and from the same room to prevent depressurizing any one room, which could backdraft existing combustion appliances.



*Figure 3: Vertical Duct Configuration*

## 12. Condensate Pump Installation

**Step 1:** Elevate the Sedona so the base of the cabinet is at least 4" off the ground. This can be done by using Sedona Leveling Chips or wood or masonry blocks. Make sure the unit is level.



**Step 2:** Install the rubber feet on the bottom of the condensate pump. Place the pump on the ground so the uncovered port on the pump lines up with the drain on the Sedona. Make sure the pump is level.



**Step 3:** Cut the Sedona's drain hose to the appropriate length so it will fit 1.5" down into the pump's uncovered drain port.



**Step 4:** Secure the drain hose to the Sedona with a hose clamp and install the drain hose in the uncovered port on the pump. Make sure the drain hose flows continuously downward from the Sedona into the pump and is not kinked.



**Step 5:** Install the condensate pump drain hose on the discharge barb of the pump. Secure the hose with a hose clamp. Route the other end of the hose to an appropriate drain location and cut the hose to the appropriate length.



**Step 6:** Plug the condensate pump into a 115 volt electrical outlet. The condensate pump can be tested manually by pressing the white tab on the float switch.





# SaniDry Sedona Limited Warranty

## Limited Warranty

SaniDry Corporation, LLC ("SaniDry") warrants as follows: the SaniDry Sedona dehumidifier ("Product") will be free of material defects in workmanship or materials for a period of five years. If the Customer registers the Product at [www.sedonawarranty.com](http://www.sedonawarranty.com) within thirty (30) calendar days from the date of installation, the five year warranty period commences at date of installation. Otherwise, the five-year warranty period commences at the date of manufacture, determined solely by the date of manufacture on the Product cabinet label.

## Warranty Limitations

A "defect" under the terms of the limited warranty shall not include: (1) problems resulting from improper installation or use, (2) improper design of any system in which the Product is included, (3) misuse or abuse, (4) lack of normal care, or failure to follow instructions in the Product Owner's Manual, (5) tampering, (6) improper repair, (7) cosmetic defects in the finish on the outer shell or cabinet, (8) freezing, corrosion, acts of nature, or (9) any other causes not arising out of defects in manufacture, workmanship or material. If a Product or Product Component is replaced while under warranty, the applicable limited warranty period shall not be extended beyond the original warranty time period. The limited warranty does not cover any costs related to changes to a Product or Product Component that may be required by any codes, laws, or regulations that may become effective after the date of the Customer's initial purchase of the Product.

## Limitation of Remedies

Customer's sole and exclusive remedy under the above limited warranty and SaniDry's entire liability thereunder shall be, at SaniDry's sole option, repair or replacement of such product or its Components ("Components").

Repair may be accomplished in one of two ways: (1) Customer may deliver the unit, at Customer's expense, to the SaniDry Service Center located at 92 Cogwheel Lane, Seymour, Connecticut, 06483, and SaniDry will repair the unit at no cost to the Customer including parts or labor; or (2) Customer may have the unit repaired on their own, and SaniDry will provide the parts at no cost to the Customer or the SaniDry dealer doing the repair, but the cost of labor will be the exclusive responsibility of the Customer. SaniDry may, at its sole discretion, choose to replace the Product with a new or refurbished Product.

Customer shall be responsible for properly packaging the Product when transported, and for all risk of loss associated with shipment. SaniDry will pay for return transportation back to an authorized SaniDry dealer or homeowner anywhere in the continental U.S. or Canada. This disclaimer and exclusion shall apply even if the express warranty and limited remedy set forth herein fails of its essential purpose. Customer acknowledges that no person, entity or representative of BSI, SaniDry or of their affiliates or resellers is authorized to make any representation or warranty on behalf of SaniDry, BSI or any of their affiliates or resellers that is not contained in this Limited Warranty.

Customer Responsibilities. As a condition to obtaining warranty coverage, the Customer must send a valid warranty claim to SaniDry, and SaniDry must receive that claim prior to the end of the applicable warranty period. SaniDry shall have no obligation

hereunder with respect to any claim received after the expiration of the applicable warranty period. In order to obtain warranty service, the Customer should first call their local SaniDry dealer, or SaniDry at 1-203-463-7957 and ask for the SaniDry Products Service Department, which will arrange for applicable warranty service.

## Disclaimer of Warranties

EXCEPT FOR THE ABOVE LIMITED WARRANTY, WHICH IS THE SOLE AND EXCLUSIVE WARRANTY PROVIDED WITH RESPECT TO THE PRODUCT AND ITS COMPONENTS, SANIDRY HEREBY DISCLAIMS, TO THE GREATEST EXTENT ALLOWED UNDER APPLICABLE LAW, ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

## Limitation of Liability

TO THE GREATEST EXTENT ALLOWED UNDER APPLICABLE LAW, IN NO EVENT SHALL BSI, SANIDRY, OR THEIR AFFILIATED OR RELATED COMPANIES, BE LIABLE, UNDER ANY LEGAL THEORY, FOR ANY SPECIAL, PUNITIVE, DIRECT, INDIRECT, COLLATERAL OR CONSEQUENTIAL DAMAGES OF ANY KIND IN CONNECTION WITH THE DESIGN, SALE, INSTALLATION, USE, REPAIR, REPLACEMENT OR PERFORMANCE OF ANY PRODUCT, COMPONENT, PART THEREOF OR WRITTEN MATERIAL PROVIDED THEREWITH. NOTWITHSTANDING THE ABOVE LIMITATIONS AND WARRANTIES, THE SOLE AND EXCLUSIVE LIABILITY OF BSI, SANIDRY, OR THEIR AFFILIATED OR RELATED COMPANIES, REGARDLESS OF THE NATURE OR THEORY OF THE CLAIM, SHALL UNDER NO CIRCUMSTANCES EXCEED THE PURCHASE PRICE OF THE PRODUCT, COMPONENT OR PART UPON WHICH THE CLAIM IS PREMISED.

## Applicable Law, Jurisdiction and Venue

ANY ARBITRATION, ENFORCEMENT OF AN ARBITRATION OR LITIGATION RELATED TO THE PRODUCT WILL BE BROUGHT EXCLUSIVELY IN NEW HAVEN COUNTY, CONNECTICUT, AND CUSTOMER CONSENTS TO THE EXCLUSIVE PERSONAL JURISDICTION OF THE FEDERAL AND STATE COURTS LOCATED THEREIN, AND WAIVES THE RIGHT TO SEEK TO CHANGE VENUE.

## Miscellaneous

If any term or condition of this Limited Warranty is found by a court of competent jurisdiction to be invalid, illegal or otherwise unenforceable, the same shall not affect the other terms or conditions hereof or thereof or the whole of this Limited Warranty. Any delay or failure by SaniDry to exercise or assert any right or remedy will not constitute a waiver to thereafter exercise or assert such rights.

SaniDry Corporation LLC, 92 Cogwheel Lane, Seymour, Connecticut, 06483

Web: [www.SaniDrySedona.com](http://www.SaniDrySedona.com)

For product information go to: [www.SaniDrySedona.com](http://www.SaniDrySedona.com)  
1-203-463-7957

Information in this document is subject to change without notice. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the express written permission of SaniDry Corporation, LLC.  
© 2016 SaniDry Corporation, LLC. All rights reserved.



© 2016 SaniDry Corporation LLC

92 Cogwheel Lane • Seymour, CT 06483 • 203-463-7957

[www.SaniDrySedona.com](http://www.SaniDrySedona.com)

January 27, 2017