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# PUREAIRO DSC 55S

## APPLICATION

The PureAiro DSC 55S Dehumidifier has CE and CETL approved. With patent for invention protected, the unit is in the top list of energy efficient products. This unit has a wide range of applications including crawl spaces, basements, warehouses, offices, factories, shops, apartments, storage areas, restaurants, bars and museums where occur corrosion, mold growth. It can also help to resolve damage to inventory and building maintenance due to dampness. PureAiro DSC 55S was introduced to provide one-stop service for your humidity problem. The preassembly, external condensate connection point and side sliding filter, make the installation process simple.

The remote humidistat design makes this unit an ideal choice for places where remote sensing and controlling is required. Optional duct mounting flanges reduce the installation time when connecting to an existing/new ducting systems.

## KEY DESIGN FEATURES

- Hot Gas Valve Defrosting System
- Supper COP
- 2.95 L/Kwh
- Coated Coils with Stainless Side Plate .
- Quick Access for Service
- Smallest Size
- HVAC Remote System

## ADDITIONAL FEATURES

- Engineered for low temperature operation and the air flow issues that crawl spaces present
- Ducting options for divided spaces
- Remote Control equipped



Remote Control

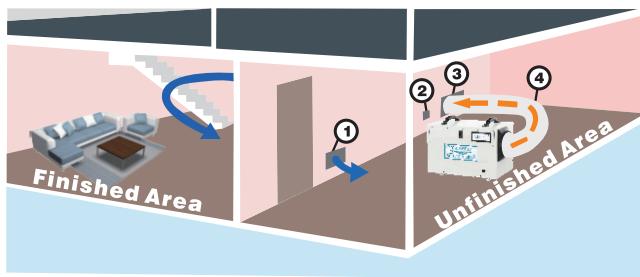


Cable



Wrinkle free tube

## INSTALLATION OF ASENTINEL HD55 WITH A SUPPLY KIT ONLY



1. Passive Return Vent
2. Remote Control (Mounts on opposite Wall in Finished Area, Energize the sensor on Remote Control)
3. Supply Grill
4. Supply/Discharge Duct Work

- Place the Sentinel HD55 in the unfinished area of the basement near a drain access (condensate will be drained out via gravity).
- Connecting the Duct Tube on Collar, supply dry air from the dehumidifier to a large and open area in the finished section of the basement.
- Place a return grill / passive vent on the other side of the wall that separates the finished and unfinished areas. This will allow circular air flow to go through the basement.
- The passive grill will prevent the unfinished room from being placed under a negative pressure and also allow the dehumidifier to focus on keeping the unfinished area dry.
- The Remote Control has the normal remote function, to insulate the noise of unit and also can be used at the Sensor Switch. You can choose the humidity sensor from the unit and Remote Control.
- Be sure to keep all doors open in the basement to help proper air circulation (bedrooms, bathrooms, etc.)

## ALORAIR HANGING KITS FOR CRAWL SPACE & BASEMENT DEHUMIDIFIERS



1. This hanging kit works for the PureAiro DSC 55S, DSC 90S/90ES from the floor joists in your crawl space.
2. This pack comes with 4 Ratchet Straps. Use the easy pulley mechanism and adjust the rope as per your desired height. Suspend the dehumidifier in a crawl space, basement or attic setting.
3. It helps to reduce noise and vibration while the dehumidifier is operating when properly installed. No transfer of noise or vibration to the floor above and getting lower space back is comfortable. Also, it provides additional height for proper condensate drainage/removal.
4. Easy to install, Adjustable straps allow the user to easily lower or remove the dehumidifier for cleaning or service when needed.
5. The rope is made from braided polypropylene; this strong and durable material will not fray or rip. It can also hold up to 300 pounds of weight! The hooks are made of zinc-plated stainless steel.

**\*The components need to be purchased separately.**

## PROVEN PERFORMANCE

The DSC 55S dehumidifier is an effective solution to environmental control problems. This unit is of high capacity which can operate at high efficiency to remove moisture from the air through the refrigeration process. The high efficiency rotary compressor ensures the maximum extraction with the lowest running costs. Tight spaces are no problem for the DSC 55S dehumidifier. Its compact size works perfect in low crawl spaces and small basements without sacrificing power or performance. Designed to fit in a variety of small spaces, the DSC 55S provides multiple installation options with great flexibility.

DSC 55S has the humidity sensor in bypass air design which makes short-cycling go away and have quick access to internal service. Customers can do it by themselves and service become easy. With excellent airflow, multiple ducting options and a side sliding filter and some amazing engineering, the unit removes the maximum 60 L of water per day (AHAM) while with current draw 3.6 amps. It is one of the smallest and lightest dehumidifier on the market. This unit is equipped with a "Hot Gas" defrost system which ensures a quick and efficient clearing of ice from the coil at the minimum operating temperature of 2°C.

The small compact size make the unit an ideal choice for installations where space is limited i.e. crawl spaces and basements etc.

## FEATURES

CE, CETL	✓
Compressor Type	Rotary
More Thorough, And More Quick	✓
Ducting options	✓
Condensate Pump	✗
Auto Defrosting	✓
Easy handling	✓
Water Full protection	✓
Environmental R4 10A Refrigerant	✓
Automatic humidistat control	✓
Memory Starting	✓
Epoxy Powder Coating	✓
Continuous Model	✓
HVAC Remote System	✓
Remote Control	✓
Low Temperature	✓
Bypass Air sensor	✓

## SPECIFICATIONS

Water removal per day (26°C-60%, AHAM)	30
Water removal per day (30°C-80%)	60 L
Power	2.47A, 220V / 50 Hz
Size For	1,300 Sq.ft
Airflow	130 CFM, 230 CMH
COP	2.95 L/KWh
Unit Dimensions (LxWxH)	490 x 310 x 340 mm
Weight	26 KG
Functioning Humidity Range	35 ~ 90%
Temperature Range	1 ~ 39°C
Sound Level	52 dBA