

Sentinel HDi100 Dehumidifier

Specifications

| Features | Sentinel HDi100 |
|---------------------------------|-----------------|
| CE,CETL | ✓ |
| Compressor Type | Rotary |
| More Thorough, And More Quick | ✓ |
| Ducting options | ✓ |
| Condensate Pump | ✓ |
| Easy handling | ✓ |
| Water Full protection | ✓ |
| Environmental R410A Refrigerant | ✓ |
| Automatic humidistat control | ✓ |
| Memory Starting | ✓ |
| Epoxy Powder Coating | ✓ |
| Continuous Model | ✓ |
| HVAC Remote System | ✓ |
| Remote Control | ✓ |
| Low Temperature | ✓ |

| Specifications | Sentinel HDi100 |
|-------------------------------|--------------------------------|
| Power | 115v/60Hz |
| Current | 6.82A(115v/60Hz) |
| COP | 2.7L/Kwh(115v/60Hz) |
| Size For | Up to 2,900 sq.ft. |
| Filter | MERV-1 Filter & MERV-10 Filter |
| Air flow | 250 CFM |
| Sound Pressure Level | <60DBA |
| Refrigerant | R410A |
| Feet | Adjustable Feet |
| Draining | Condensate Pump |
| Functioning Temperature Range | 33.8~105°F |
| Functioning Humidity Range | 35~95% |
| Capacity115V(80°F-60%) | 100Pints/Day |
| Weight | 81.0lbs(35.5KG) |
| Dim(LxWxH) | 13.8"x15.8"x23.7" |

Application

The **Sentinel HDi100** dehumidifier is designed specifically for crawl spaces and basements. Low noise level, **great COP**, 2.7L/Kwh(115V/60Hz) and **huge capacity** 100PPD at AHAM

condition. The **Sentinel HDi100** supplements the air conditioning system in the summertime and maintains humidity levels balanced of the year.

The **Sentinel HDi100** with horizontal **configuration and unique dual airflow outlets** makes it an ideal solution for basements and crawl spaces. **Installation flexibility** makes the unit ideal for almost any application. No

conventional dehumidifier can perform as efficiently and effectively in basements and crawl spaces as **Sentinel HDi100**. It is the best choice for residential work and restoration jobs, and suitable for household, shops, storage areas, industrial institutions and garage applications etc..

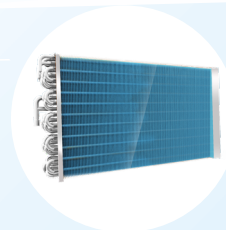
The **remote humidistat** design makes this unit an ideal choice for places where remote sensing and controlling is required. Optional duct mounting flanges reduce the installation time when connecting to an existing/new ducting systems.

Key Design Features

- Supper COP
- 2.7L/Kwh(115v/60Hz)
- Rugged Condensate Pump(Developed only for Dehumidifier)
- Coated Coils with Stainless Side Plate
- Quick Access to Pump and Main Board
- HVAC Remote System

Additional Features

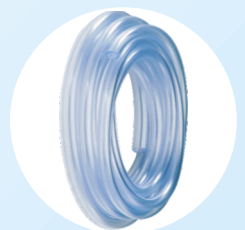
- Engineered for low temperature operation and the air flow issues that crawl spaces present
- Ducting options for divided spaces
- Remote Control equipped
- Heavy-Duty Condensate Pump
- Quick connector to Pump(the pump can be taken out freely just full out the quick connector)



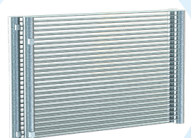
**Rare earth alloy
Tube Evaporator**



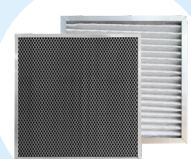
Pump



Wrinkle free tube



Microchannel



MERV-1 , MERV-10 Filter

EFFICIENT • LARGE CAPACITY • POWERFUL

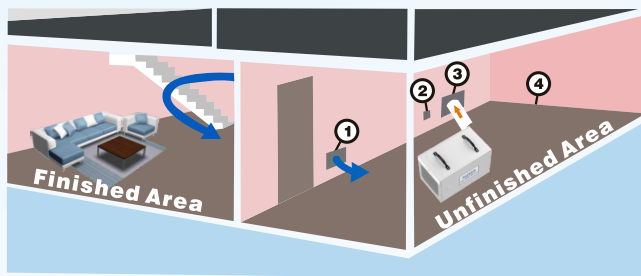
INDUSTRY • RESIDENTIAL HOMES • STORES • RESTORATION

Whole House Dehumidifier for Crawl Space & Basement>>

HDi100 Sentinel Dehumidifier

| Applications | Sentinel HDi100 |
|--------------------------|-----------------|
| Crawlspace | ✓ |
| Shops/Bars | ✓ |
| Museums/Sports Halls | ✓ |
| Water Damage Restoration | ✓ |
| Computer Rooms | ✓ |
| Basements | ✓ |

Installation of a Sentinel HDi100 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 HDi100** in unfinished area of the basement near a drain access (condensate will be drained out via Pump).
- Connecting the Duct Tube on Collar, supply the dry air from the dehumidifier to a large and open area in 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 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 as well.
- The Remote Control can be used For normal Retome function,to insulate the Noise of Unit,and Also can be used at the Sensor Switch,you can choose the humidity sensor between Unit and remote Control.
- Be sure to keep all doors open in the basement to help with proper air circulation(Bedrooms,Bathrooms,etc.)

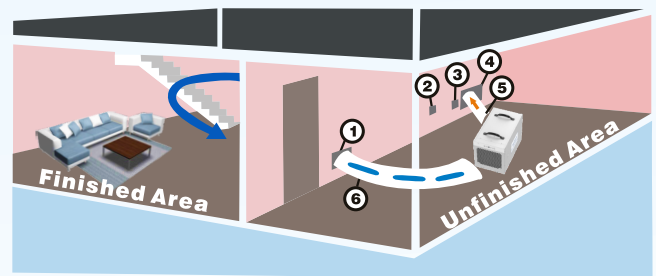
PROVEN PERFORMANCE

The are effective solutions to environmental control problems. The **Sentinel HDi100** has **CE and CETL** Approved. With patent for invention protected, the item is in the top range list of energy efficient products. As the unique design compared with others,we have the **humidity sensor** in bypass air design which make the short-cycling go away and have **quick access to pump** and main board. Customers can do it by themselves and service become easy. Preassembly makes the installation process simple, thereby it reduces the overall installation and project cost.

Sentinel HDi100 removes maximum 100 pints of water per day (AHAM) while draws only 6.82 amps, **Sentinel HDi100** Dehumidifiers is one of the **smallest, lightest and most powerful** dehumidifiers on the market.**Sentinel HDi100** is leading the industry by introducing **rare earth alloy tube Evaporator**. This new feature will extend the life of the coils, provide protection in corrosive environments and maintain the coil's heat transfer ability over the life of the coil.

| Applications | Sentinel HDi100 |
|---------------|-----------------|
| Hotel/Motel | ✓ |
| Offices | ✓ |
| Laboratories | ✓ |
| Museums | ✓ |
| Storage Areas | ✓ |
| Restaurants | ✓ |

Installation of a Sentinel HDi100 with a Supply and Return Kit



- 1.Return Grill
- 2.Remote Control(mounts on opposite Wall in Finished Area,Energize the sensor on Remote Control)
- 3.Optional Wall Mount Dehumidistat(mounts on opposite wall in finished area)
- 4.Supply Grill
- 5.Supply/Discharge Duct Work
- 6.Return/Intake Duct Work

- Place the **Sentinel HDi100** in unfinished area of the basement near a drain access (condensate will be drained out via Pump).
- Connecting the Duct Tube on Collar, supply the dry air from the dehumidifier to a large and open area in finished section of the basement.
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