

SEED STORAGE ROOM DEHUMIDIFIER

UNA-DYN dehumidifiers, distributed exclusively by Seedburo, remove moisture from air by forcing it through beds of dry desiccant, a compound that will attract a high percentage of its own weight in water. When a bed of desiccant has removed all the moisture it can hold, it is dried or "reactivated" by blowing hot air through it. While one bed is drying, the other is adsorbing moisture. This shifting from bed to bed is automatic and works in a continual cycle.

Humid air enters the dehumidifier at the humid air inlet. This air is filtered, and then flows through the desiccant bed where it is dried. It is then forced out the dry air outlet. At the same time, air is drawn into the dehumidifier at the reactivation air inlet. This air is filtered, forced through the valve, across the heater and then through the desiccant bed that has become damp. Here, the heated air removes the moisture and thus reactivates the bed. This air then flows through the valve and is exhausted through the reactivation air outlet carrying the moisture with it in the form of a vapor.

The A Series of dehumidifiers are also used for drying the "pocket" of air in the top of a bin or storage silo. Typically the dehumidifier is located in the silo skirt area. Duct work is connected to the dry air outlet and humid air inlet to transport the processed air to and from the top of the bin or silo. In this manner, the dehumidifier prevents condensation in the bin or silo and reduces the overall relative humidity of the entire mass.

FEATURES:

- Heavy-duty electrical components.
- Air filters are standard equipment.
- All components accessible without removing duct work or major dismantling.
- Optional Humistat available. Hair element to control relative humidity above 10%.
- Cast and machined aluminum valves.
- Heavy duty construction (14 ga. min.)
- Continuous seam, no spot welding.
- Optional casters and support frame.
- Stationary desiccant beds made of perforated steel. No fly screen, no sagging, flat beds.
- Desiccant easily accessible.
- Permanent desiccant lasts for years, non-toxic, non-corrosive.

THREE MODELS AVAILABLE:

Model with 230V, 60Hz, 3 PH	No. A15SB/E
Model with 220V, 50Hz, 3 PH	No. A15SB/C
Adsorption Air Flow of 125 CFM	
Connected Load: 9.8 KVA	
Dims. 58" L x 37" W x 53" H	
Net wt. 600 lbs.	
Model with 230V, 60Hz, 3 PH	No. A30SB/E
Model with 220V, 50Hz, 3 PH	No. A30SB/C
Adsorption Air Flow of 250 CFM	
Connected Load 9.8 KVA	
Dims. 58" L x 37" W x 53" H	
Net wt. 600 lbs.	
Model with 230V, 60Hz, 3PH	No. A75SB/E
Model with 220V, 50Hz, 3PH	No. A75SB/C
Adsorption Air Flow of 350 CFM	
Connected Load: 18.0 KVA	
Dims. 66" L x 42" W x 68" H	
Net wt. 800 lbs.	

Other electrical specifications are available.

Off/On Humistat, Optional (for all Models)	No. AH
Replacement Adsorption Filter A15 & A30	No. AF
Replacement Adsorption Filter A75	No. AF75
Replacement Reactivation Filter (All Models)	No. RFA
Casters and Frame for A15 & A30 Model	No. A15/30CF
Casters and Frame for A75 Model	No. A75CF



Front View (Shown
w/Casters & Frame)



Back View (Shown
w/Casters & Frame)

WE MUST HAVE the following information in order to determine your dehumidifier requirements.

How large is your room? (cu. ft.) _____

Is your room ☐air conditioned or ☐refrigerated?

What temperature do you maintain in the room? F°: _____ C°: _____

What relative humidity do you wish to hold? _____ %

What is your ambient relative humidity? _____ %

How are your walls, ceiling and floor constructed? (i.e. cement, plaster, wood, gypsum.) _____

Is the room ☐completely within a building or ☐have outside walls?

Number of: Doors _____ Windows _____

Can they be weather-stripped and made vapor tight? ☐Yes ☐No

How many people work in the room? _____

How often and for how long are the doors opened? _____

Is the room ventilated? _____

At what CFM rate? _____

Voltage Requirements: _____ Volts _____ Hz