

Model HU-80-VALU Gas-Fired Humidaira Unit (Product Overview and Specifications)



The Valuaire uses the same body as the more powerful Southwest Lite Humidaira. This allows it to be upgraded as needs grow.



Clean, energy-efficient gas combustion provides flame directed into the HU-80 thermodynamic design burner duct.

Are your present moist air needs modest? Do you think those needs might grow? The Valuaire may be your solution. The Valuaire offers an affordable solution for present needs, and can grow along with your gin. It is an affordable option below its big brother, the Southwest Lite on the performance curve. The Valuaire is ideal for cotton gins with capacities between 15 and 35 bales per hour, who want to use either a lint slide grid or conditioning hoppers.

As a gin's capacity grows, the Valuaire can be upgraded to a Southwest-Lite for compatibility with Steamroller Systems and Moisture Condensers.

Is automatic operation on your mind? The Valuaire comes with two water valve options that are easy to change. A simple, hand-operated water valve is a good starting point for beginners with moist air systems. To make things automatic, replace the manual valve assembly with the motorized water valve assembly included with each unit. This allows you to connect the Valuaire to any Moisture Mirror and a Tex-Max Microwave scanner (purchased separately). You then set the desired bale moisture and the water valve is controlled automatically.

Other features include:

Safety shutdown sensors for high heat and low air flow.

Direct fire and water interaction to overcome hot dry afternoon conditions.

Access to the water tank during operation. No more stopping to check water and scale conditions.



SAMUEL JACKSON, INCORPORATED

Lubbock, TX USA / Tel: 806-795-5218 / Fax: 806-795-8240 / www.samjackson.com

Specifications for HU-80-VALU

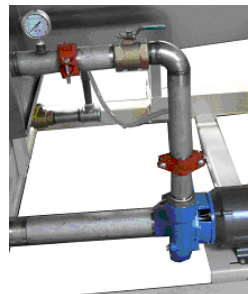
| | |
|--------------------------------------|---|
| Evaporation capacity (max): | 2.0 US gallons/minute |
| Evaporation capacity (typical): | 0.8 US gallons/minute |
| Fresh water supply requirement: | 5 US gallons/minute, 15-30 PSI |
| Compressed air required: | No |
| Maximum moist air CFM: | 2,500 CFM |
| Heating efficiency: | 1600 Btu/pound H ₂ O evap at 2500 CFM |
| Water purge rate (typical): | .3 US gal/minute (fresh H ₂ O at 15 grain/gal) |
| Std Electrical power configurations: | 480/60 and 120/60 |
| Fuel requirement: | Natural gas or propane. |
| Maximum burner input: | 1.5 million Btu/hr. |
| Typical burner input: | 800,000 Btu/hr. |
| Fuel consumption (max): | 15 CCF/hour. |
| Fuel consumption (typical): | 8 CCF/hour. |
| Remote control compatibility: | None |
| 16920 Hot Air Valve Compatible: | No |
| Access water tank during operation: | Yes |
| Water pump motor: | 5 HP |
| Temperature adjustment: | Two stage – low and high |
| Water throttling method: | Manual valve or Motorized valve |
| Burner type and controls: | Packaged unit burner assembly |
| Water tank/nozzles/piping materials: | Stainless steel |



Stainless cover slides back to reveal water Tank (above). Float valve is contained in waveless chamber. Window provides view of spray and flame interaction during operation.

Controls are simple, graphical, and easy to understand and operate.

Choice of a manual or motorized water valve following a 5 HP water pump allows output to be regulated manually or automatically (lower right).



SAMUEL JACKSON, INCORPORATED

Lubbock, TX USA / Tel: 806-795-5218 / Fax: 806-795-8240 / www.samjackson.com