

Model HU-80-1535 “Southwest Lite” Gas-Fired Humidaire Unit (Product Overview and Specifications)



Built upon some of the most popular features of the Humidaire Southwest, the HU-80-1535 “Southwest Lite” brings powerful moist air technology into the range of gins with smaller capacities and budgets. With 50% more evaporative capacity than its HU-60 predecessors, it quickly becomes obvious that this is a powerful player among moist air generators.

Other features include:

Direct fire and water interaction. Hot, dry afternoon conditions in ginning season do not slow this unit down like normal Humidaire Units.

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

Heat comes from gas energy. Enjoy saving 100 Btu’s for every pound of water evaporated using the Southwest Lite.

The water pump is outside the cabinet. This keeps the pump motor running cooler and is easy to access for maintenance.

Color touch screen controls with full compatibility with Moisture Mirror II and III for fully automatic control and easy wiring and troubleshooting.

Real time water evaporation statistics. We make big claims about the evaporative capacity of the Southwest Lite. Don’t just take our word for it, watch it in real time during operation during your toughest ginning conditions.

Compatibility with the Hot Air Mix Valve for gins that do not have independent heat available for their Steamrollers or condensers.



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Specifications for HU-80-1535 “Southwest Lite”

Evaporation capacity (max):	3 US gallons/minute
Evaporation capacity (typical):	2 US gallons/minute
Fresh water supply requirement:	5 US gallons/minute
Compressed air required:	None required
Maximum moist air CFM:	4,000 CFM
Heating efficiency:	900 Btu/pound H ₂ O evap
Water purge rate (typical):	.6 US gallons/minute
Std Electrical power configurations:	480/60, 380/50, 415/50
Fuel requirement:	Natural gas or propane gas.
Maximum burner input:	2 million Btu/hr.
Recommended gas pressure to unit:	10-15 psi
Typical burner input:	900,000 Btu/hr.
Natural gas fuel consumption (max):	20 CCF/hour.
Propane fuel consumption (max):	23.7 gal/hour.
Natural gas fuel consumption (typical):	9 CCF/hour.
Propane fuel consumption (typical):	10.7 gal/hour.
Remote control compatibility:	Moisture Mirror II/III
16920 Hot Air Valve Compatible:	Yes
Access water tank during operation:	Yes
Water pump motor:	5 HP
Water temperature graph (real time):	Yes
Water evaporation graph (real time):	Yes
Error/Alarm history:	FIFO, 500 events, date/time
Touch Screen update utility:	USB key
Water tank/nozzles/piping materials:	Stainless steel



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



Color touch screen folds inward to allow technician convenient access when running diagnostics. Note the built in table for notebook computers during update process.



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