



## Reference Price List

15 Sept 2006

Tel: 806-795-5218  
Toll free: 800-862-9966

Fax: 806-795-8240  
Web: samjackson.com

### CLASSIC PRODUCTS (“C” CLASS)

#### HUMIDAIRE UNITS

The Humidaire Unit is Samuel Jackson’s trade name for a warm moist air generator designed for cotton gins. Any of these moist air generators may be used for safely conditioning both seed cotton and lint cotton. Units are sized by their water evaporation capacity and are available in ranges from .9 gallons/minute up to 4.8 gallons/minute. Choose either gas-fired models or oil-fired models. Control systems range from very simple manual controls on the smallest unit to sophisticated PLC systems with color touch screens on mid-sized and large units. Fully automatic operation is possible with many of these models when paired with Samuel Jackson sensors and controls for cotton gins. Optional remote control of multiple mid-size and larger units is available when used with a single Samuel Jackson Moisture Mirror II or III. All units except Breeze come with 14900A scanner. Deduct USD 466 if not required. Specify voltage and power frequency when ordering a Humidaire Unit. 3-Phase 480/60, 380/50, 380/60, and 415/50 are available.

#### Gas-Fired Models

81304 HU-60-1455 “Classic” Humidaire Unit. Gas-fired. 2 gallons/min. PLC/Color touch screen control. 3,000 CFM max. Up to 40 BPH. Limited avail.	45,000.
82400 HU-80-1535 “Southwest Lite” Humidaire Unit. Gas-fired. 3 gallons/min. PLC/Color touch screen control. 4,000 CFM max. Up to 60 BPH.	60,000.
82100 HU-SOUTHWEST-1480 Humidaire Unit. Gas-fired. 4.2 gallons/min. PLC/Color touch screen control. 5,000 CFM max. Up to 80 BPH, extreme duty.	105,000.

#### Oil-Fired Models

82300 “Breeze” Manual Humidaire Unit. Oil-fired. .9 gallons/min. Manual control only. 1,000 CFM max. Gins to 15 BPH.	25,000.
82500 HU-80-1545 “Sahara Lite” Humidaire Unit. Oil-fired. 3 gallons/min. PLC/Color touch screen control. 4,000 CFM max. Gins to 60 BPH.	80,000.
82200 HU-SAHARA-1490 Humidaire Unit. Oil-fired. 4.8 gallons/min. PLC/Color touch screen control. 5,000 CFM max. Gins to 80 BPH+, extreme duty.	135,000.

Tip: The Moisture Mirror II for remote control may be found on page 6.

#### HUMIDAIRE ACCESSORIES

16920 Hot Air Mix Valve. Compatible with “Classic” and “Lite” Humidaire models. Controls temperature of warm dry air pulled from the Humidaire Unit (common for condenser applications). Includes digital temperature control, thermocouple sensor, wire, and 17638 transition to 12” diameter.	3,688.
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Tip: Use a small heater to supply independent heat in cold climates for faster startup. See HG-1 on page 4.

14000 Powdered Acid Descaler for cleaning. 50-pound pail (5 applications).	190.
14900A Lint Flue Scanner to turn water pump on and off automatically.	466.
21428 Parts kit for “Classic” and “Lite” Gas-fired Humidaire models above.	9,150.
21429 Parts kit for “Classic” and “Lite” Oil-fired Humidaire models above.	10,550.

**All prices in U.S. Dollars, EXW-LUBBOCK factory.**

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*Contact factory for discount information.*



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21793 Parts kit for "Southwest" Gas-Fired Humidaire.	11,500.
22208 Parts kit for "Sahara" Oil-Fired Humidaire.	12,600.
81700B Parts Kit for 81500B Steamroller.	4,013.

## LINT SLIDE GRIDS

The Lint Slide Grid is the least expensive entry level product for applying moist air to lint cotton before baling. Scanners are included with Humidaire Units, not with grid. Add 466 for scanner, if no Humidaire is purchased and scanner is not present. All grids are made of stainless steel.

### GRIDS FOR STANDARD LINT SLIDES:

Installed on straight, flat floor of lint slide. Grid size shown.

LSG-1072 Lint Slide Grid, 54" X 9'-6"	3,409.
LSG-1073 Lint Slide Grid, 54" X 14'-6"	4,284.
LSG-1074 Lint Slide Grid, 54" X 19'-6"	5,162.
LSG-1075 Lint Slide Grid, 54" X 24'-6"	6,039.
LSG-1076 Lint Slide Grid, 40" X 9'-6"	3,409.
LSG-1077 Lint Slide Grid, 40" X 14'-6"	4,284.
LSG-1078 Lint Slide Grid, 40" X 19'-6"	5,162.
LSG-1079 Lint Slide Grid, 40" X 24'-6"	6,039.

### GRIDS FOR LUMMUS LINT SLIDES:

The humid air enters through a 12" diameter connection in the bottom of the lint slide at its upper end. Standard lengths of the 36° portion of the slide identify the grids. For nonstandard lengths, specify next longer size listed.

#### SJI DESIGNATION

36° portion 13'-3" long, (price includes 50° portion):

LSG-1181 Lint Slide Grid	54" Wide	4,284.
LSG-1176 Lint Slide Grid	40" Wide	4,284.

36° portion 18'-3" long, (price includes 50° portion):

LSG-1182 Lint Slide Grid	54" Wide	5,162.
LSG-1177 Lint Slide Grid	40" Wide	5,162.

36° portion 23'-3" long, (price includes 50° portion):

LSG-1183 Lint Slide Grid	54" Wide	6,039.
LSG-1178 Lint Slide Grid	40" Wide	6,039.

36° portion 28'-3" long, (price includes 50° portion):

LSG-1184 Lint Slide Grid	54" Wide	6,910.
LSG-1179 Lint Slide Grid	40" Wide	6,910.

#### GRID CONVERSION ITEMS:

14979A Flanged 12" Pipe Connection.	61.
16017B Top Diffuser Sheet Assembly.	680.
16812 5-ft Section 54" Grid.	882.
16810 1-ft Section 54" Grid	195.
17100 Grid for 50° Portion of 54" Slide, including 16810 and 14238 Slat.	1,320.

### GRIDS FOR CONTINENTAL LINT SLIDES:

The floor of the slide is made with a recess 6" deep in which the grid fits. Maximum size of the recess is shown. Recess may be shorter, but must be multiple of 4" long. Priced with and without transition and elbow.



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13730A Air Inlet Transition, Stainless. 684.  
13392 4 X 48 Elbow, 53°, Stainless. 268.

GRIDS FOR 54" SLIDES	INLET TRANSITION AND 53° ELBOW			
	WITHOUT		WITH	
Grid for 54" X 9'-8" Recess	LSG-1186	2,710.	LSG-1186W	3,409.
Grid for 54" X 14'-8" Recess	LSG-1187	3,587.	LSG-1187W	4,284.
Grid for 54" X 19'-8" Recess	LSG-1188	4,469.	LSG-1188W	5,162.
Grid for 54" X 24'-8" Recess	LSG-1189	5,340.	LSG-1189W	6,039.

GRIDS FOR SPECIAL WIDTH SLIDES (53" or 40" WIDE)	INLET TRANSITION AND 53° ELBOW			
	WITHOUT		WITH	
Grid for 9'-8" Recess	LSG-1191	2,710.	LSG-1191W	3,409.
Grid for 14'-8" Recess	LSG-1192	3,587.	LSG-1192W	4,285.
Grid for 19'-8" Recess	LSG-1193	4,469.	LSG-1193W	5,162.
Grid for 24'-8" Recess	LSG-1194	5,340.	LSG-1194W	6,039.
Grid for 28'-8" Recess	LSG-1195	6,112.		

## CONDITIONING HOPPERS

Conditioning hoppers are used for seed cotton conditioning just before the gin stands. They are installed below the conveyor distributor and above each feeder over the gin stands. They expose the seed cotton to humid air to preserve the spinning quality of the cotton, increase ginning speed in dry conditions, and kill static electricity. Each hopper includes an automatic air-operated valve to stop the flow of humid air when the feeder stops. Double entry hoppers are available in two styles, "Classic" and "End Entry". Each includes two grids and two valves to apply humid air from both sides. Each hopper has a removable stainless steel access door on each end. Windows may be available depending on hopper height. Consult factory.

**Tip: Use the Moisture Mirror to automatically turn hoppers on when they are needed. See pg 6.**

81121 CH-96-1121A for Lummus 96" 700 Feeder., access door, windows, classic.	4,988.
81122 CH-66-1122A For Lummus 66" 700 Feeder, access door, windows. classic.	3,885.
81126 CH-40-1126A For Lummus Roller Gin, 40 x 28-3/4 high, classic.	2,751.
81222 CH-96-1222 Double Entry for Lummus 700 Feeder, 96". classic.	6,930.
81223 CH-66-1223 Double Entry for Lummus 700 Feeder, 66". classic.	5,828.
81225 CH-96-1225 Double Entry Hopper for 96" Feeder, end entry.	7,350.
81123 CH-96-1123 For Continental Super 96, 96 x 25-13/16, Single-Entry, classic.	3,885.
81123A CH-96-1123A For Continental Super 96 as above, Double-Entry, classic.	6,930.
81124 CH-94-1124 For Continental Commander, 94-1/2 x 25-13/16, classic.	3,885.
81128 CH-46-1128 For Continental Roller Gin, 46 x 27 3/16 high, classic.	2,730.
81127 CH-96-1127 Double-Entry for Continental G Eagle with 9000 feeder, classic.	6,930.
81129 CH-65-1129 For Mitchell 66 Feeder, 65 x 21 3/4 high, classic.	3,885.
81221 CH-96-1221 Double Entry for Continental 96", classic.	6,930.
81220 CH-96-1220 Double Entry Conditioning Hopper, standard, 96", classic.	6,930.
81224 CH-116-1224 Double Entry for Cons 198 feeder, 116 x 36 high, classic.	8,085.
81125 CH-40-1125 For Consolidated Roller Gin, 40 x 28 3/4 high, classic.	2,730.
81232 Conversion kit for CH-96-1121X hoppers to double-entry hoppers, with valve.	3,045.

The following package is needed for each set of conditioning hoppers:  
13865 Plant installation package. Includes 13850 valve relay panel for up to four stands,



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13860 relief plug assembly, and 13855 air filter, regulator and lubricator assembly. 1,208.

### CABINETS FOR CONTROLS Designed especially to fit the following:

17302 STEEL ENCLOSURE, 9.75 H, 12.75 D, 12.75 W for Mirror I. 205.

21308 STEEL ENCLOSURE, 15" H, 15" D, 20" W for Mirror II. 280.

21740 PEDESTAL MOUNT, Textured black powder coat, tilt head, for Mirror II. 1,600.

22206 PEDESTAL MOUNT, Textured black powder coat, tilt head, for Mirror III. 1,800.

### GAS-FIRED HEATERS

Hot dry air is used in cotton gins to reduce condensation in moist air systems and for cotton drying systems early in the ginning process. Heaters 4-mil and larger provide low resistance to air flow in order to accommodate high air volume drying applications. All models burn either natural gas or propane gas. If propane is used, an appropriate vaporizer may be needed (not included). Each heater comes with a pressure regulator and complete temperature and combustion controls. All drying heaters are capable of accepting signals for temperature coordination from any Moisture Mirror, giving the user flexibility to combine the heaters for the desired drying capacity. When ordering, please specify anticipated air volume, desired Btu/hr output, and electrical power system.

80045 "SIDEKICK" 1-MMBTU HEATER KIT. Ideal for Steamroller independent heat on a budget. PLC controls. No fan or inlet screen included. 3,000 CFM max. No commissioning. 12,500.

80192 HG-1-1401A 1-MMBTU GAS HEATER WITH FAN. Convenient small heater package with same rating as Sidekick 1-mil, completely wired and mounted over a fan with 2 HP motor for 3,000 CFM. Specify voltage/frequency and gas fuel type (natural gas or propane) with order. No commissioning. 19,800.

80044 "ANNIVERSARY" 4-MMBTU HEATER KIT. Classic original burner body style in red powder coat. Ideal as main drying heater in small gins or use for auxiliary drying heat in large gins. PLC controls with temperature setpoint follower and LCD display. 14,000 CFM max. Includes domestic commissioning. Limited availability. 21,500.

80098 HG-4-1404 "14-SERIES" 4-MMBTU HEATER. Full-featured heater with Shed Technology for max fuel savings. Color touch screen with PLC controls. Connect with Ethernet to a Mirror II or III for remote and automatic features. 14,000 CFM max. Domestic commissioning. 32,700.

80093 HG-8-1408 "14-SERIES" 8-MMBTU HEATER. Full-featured heater with Shed Technology for max fuel savings. Color touch screen with PLC controls. Connect with Ethernet to a Mirror II or III for remote and automatic features. 28,000 CFM max. Domestic commissioning. 33,500.

HG-4-1404 can be upgraded to model HG-8-1408 for greater capacity. Upgrade can be done at the gin by a qualified electrician. Contact factory for pricing and details.

### ACCESSORIES AND MODIFICATIONS:

#### FOR PULL-THROUGH INSTALLATIONS:

16565 Support and inlet screen for HG-4, pull-through. 2,026.

16555 Support and inlet screen for HG-8, pull-through. 3,280.



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### **FOR PUSH-PULL INSTALLATIONS:**

80048 PUSH FAN KIT FOR HG-4 installed above push fan. Includes 16865 air inlet diffuser and 14222 flexible gas line.	285.
80058 PUSH FAN KIT FOR HG-8 installed above push fan. Includes 16860 air inlet diffuser and 14223 flexible gas line.	560.
80047 PUSH PLENUM FOR HG-4 Stands on floor, attached to bottom horizontal discharge of push fan (sized to fit Smith 60E). Includes 80048 Push Fan Kit and vibration isolator for plenum inlet.	3,220.
80057 PUSH PLENUM FOR HG-8 Stands on floor, attached to bottom horizontal discharge of push fan. Requires transition from fan (not included). Includes 80058 Push Fan Kit and vibration isolator for plenum inlet.	3,420.
21397 Parts kit for 80093 and 80098 heaters.	3,980.
16372 Factory installation of transformer for other supply voltage.	400.

### **OIL-FIRED HEATER (FOR COTTON DRYING)**

This heater burns oil (diesel or kerosene) and can operate under pressure or in a pull-through system. It includes integral combustion air fan, fuel pump, PLC diagnostic and combustion controls. An integral PLC diagnostic system displays helpful prompts to the operator and troubleshooter. It stores and displays the past 500 alarm and error events with time and date for historical review. This "12-Series" heater is compatible with any Moisture Mirror for automatic temperature regulation. Honeywell temperature controllers are supplied with a remote control module. Other options are listed separately. The heater's discharge can be positioned for either vertical or horizontal hot air discharge, and can be rotated in the field. Consult factory for delivery. Specify volts and HZ. 3-Phase 380/50, 415/50, 380/60, or 480/60.

80153 HO-7-1237 7-MMBTU OIL HEATER.	74,500.
80080 INLET SCREEN ASSEMBLY FOR OIL-FIRED HEATER. Less transition to inlet of push fan or heater.	4,400.
21398 PARTS KIT FOR 80153 HO-7-1237.	5,510.

### **HOT BOX II (FOR COTTON PICKUP AT MODULE FEEDER BELT)**

The Hot Box fits over the discharge end of a module feeder belt and picks up the cotton in hot air from a separate pull-through heater. No push fan, vacuum feeder or other motorized components are used. This model has been designed for more effective drying and junk separation. It will handle 60 bales per hour and up to 30,000 CFM of hot air. It can be used on both moving-head and stationary-head module feeders. Rectangular hot air inlet and cotton outlet are sized at factory for air volume to be used. Each Hot Box II includes an electronic trash gate monitoring system to indicate when large debris has jammed the trash gate in the open position. This feature is designed to work in conjunction with the PLC diagnostic and control systems of "12-Series" and later heaters.

**Tip: Save fuel and save money when you buy the 81257 Hot Box II "Combo Pack" with integral sensor.**

81254A HOT BOX II -- FOR 36" WIDE CONVEYOR TROUGH.	7,158.
81253 HOT BOX II -- FOR 40.5" WIDE (103 CM) CONVEYOR TROUGH.	7,905.
81256 HOT BOX II -- FOR 48" WIDE CONVEYOR TROUGH.	7,905.
81257 HOT BOX II (81254A) "COMBO PACK" WITH 81670 SENSOR.	11,600.



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### **SPECIAL PRODUCTS (“S” CLASS)**

The Moisture Mirror is a PLC-based control system designed to coordinate the actions of moisture control machinery in a cotton gin. Each Moisture Mirror model is capable of accepting information from multiple sensors of different types and brands, including the Samuel Jackson sensors shown below. It is also able to control many types and brands of moisture control machinery, including all of the Samuel Jackson products included in this price list. Each model comes pre-programmed for a typical cotton gin and the user is encouraged to customize the settings to fit his preference. Voltage supply of 115-230 VAC, 50/60 HZ required.

#### **MIRROR UPGRADE PRICING**

The Mirror product line takes a building block approach to gin automation. Any Mirror may be upgraded to a higher level for the difference in price between the models. All wiring and capital investment is preserved as components are added. The color touch screen is the only component exchanged. Select your Mirror with confidence based on features and needs.

#### **MOISTURE MIRROR I**

##### 81660 MOISTURE MIRROR I

6” Color touch screen and PLC control unit with enclosure and power supply. This unit can accept an incoming cotton moisture signal and automatically adjust drying system temperatures to save fuel and preserve staple. At the same time, it is capable of accepting a final lint moisture signal and adjusting a Samuel Jackson Humidaire Unit to provide precise moisture control for the bale. A 24-hour graph of incoming, intermediate, and final bale moisture is provided. Cotton flow from the module feeder can be displayed for precise regulation by the gin operator. Mount in console or purchase a 17302 steel enclosure.

8,400.

#### **MOISTURE MIRROR II**

##### 81661 MOISTURE MIRROR II

All of the features of the Mirror I, plus a 10” TFT color touch screen with more than 3 times the viewing area. Connect as many screens as you need via Ethernet for console, press, and office. The Mirror II serves as a single remote control for up to four 14-Series Humidaire Units and up to eight 14-Series heaters. The Mirror II comes with a single channel flow analyzer to assist the user with heater auto-idle and control of moisture at the gin stand. Add a bale bar code scanner and printer module to print moisture information for each bale. Mount in your console or purchase a 21308 economical steel enclosure or a 21740 elegant pedestal mount.

19,200.

#### **MOISTURE MIRROR III**

##### 81900 MOISTURE MIRROR III

All of the features of the Mirror II, plus a 15” TFT color touch screen. A hard drive in the Mirror III stores ginning data for each bale, including all monitored moisture values, production rates, temperatures, and weather conditions. Information is stored in a Microsoft Access database with the bale ID, time, and date. This data is available from the touch screen or from any PC on the network. Flow Tools in the Mirror III lets the gin operator customize automatic feeding from a module feeder. Dual channel incoming moisture feature allows simultaneous use of microwave and resistance sensor at module feeder. Mount in console or purchase a 22206 elegant pedestal mount.

52,000.



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## OPTIONS AND SENSORS FOR MOISTURE MIRRORS

The 21231 Mirror network expander should be used when more than two 14-Series devices will be connected to a Mirror II or III. In many instances, three devices may be connected without use of this expander. Consult the factory for advice about your particular needs. 830.

**80300 UNIVERSAL RESISTANCE SENSOR**  
Rugged electrode design withstands extreme trash and wet cotton conditions, minimizes static electrical interference in dry climates, and a built-in access door provides safe and easy access to the sensing electrodes by gin personnel. A good choice for using in either an incoming feed hopper or as an after-drying sensor in the overflow. Includes transmitter with enclosure. 4,420.

**81670 SENSOR FOR HOT BOX II**  
All of the advantages of the 81680 (see below) with no conveyor belt space required! This sensor is a "Sled II" embedded in a Samuel Jackson Hot Box to provide the ultimate in compact installation. Includes transmitter with enclosure ready to connect to a Moisture Mirror (not included). 5,220.

**81680 "SLED II" BELT CONVEYOR MOISTURE SENSOR**  
This sensor is recommended when cotton enters the gin on a conveyor belt. The rugged electrode design is improved to withstand harsh conditions and reads reliably even when exposed to wet weather and rain. The Sled II has been improved to require a minimum of 24" of belt length. Includes transmitter with enclosure. 5,700.

**81690 VOMAX MICROWAVE SCANNING MOISTURE SENSOR FOR BALES**  
Mounts across conveyor of the bale handling system. Takes thousands of readings as bale passes through the field and passes the information to a Moisture Mirror for display and control of a Humidaire Unit on a lint conditioning system for automatic bale moisture control. 19,323.

**81850 VOMAX MICROWAVE SCANNING MOISTURE SENSOR FOR MODULES**  
Mounts before head on module feeder for advance reading of wet areas in the middle of a module for drying control. Takes thousands of readings as module passes through field and passes the information to a Moisture Mirror for display and automatic control of drying temperature. 19,323.

**81520 SINGLE CHANNEL FLOW ANALYZER**  
Enables auto-idle feature on Mirror II and III for additional fuel savings. 1,933.

**81523A FLOW ANALYZER SENSOR FOR MODULE FEEDER AND ONE INCLINED CLEANER**  
Includes current transformer and associated electronics to sense loads at module feeder and one inclined cleaner to display cotton flow on Moisture Mirror. 3,866.

**81526A FLOW ANALYZER SENSORS FOR TWO INCLINED CLEANERS**  
Includes current transformers and associated electronics to sense loads at two inclined cleaners. Recommended for display of the cotton "split" where two first stage inclined cleaners are used. 3,866.

**81529A FLOW ANALYZER SENSORS FOR MODULE FEEDER AND TWO INCLINED CLEANERS**  
Same as 81526A, but includes sensor for module feeder. Permits ginner to observe flow from module feeder to first stage pre-cleaning including the "split". 5,799.

**81664 10-INCH COLOR TOUCH SCREEN FOR MIRROR II**  
Add a Mirror II screen for the office, press console, or any other location to accomplish emergency backup, operator convenience, or grower marketing. Each additional screen can be used as a redundant operator station, a remote display and control terminal for an office, or a dedicated display for a different moisture control task elsewhere in the same gin. 5,280.

**81667 BALE NUMBER BAR CODE SCANNER.**  
Omni directional bar code scanner with rugged stand for automatic scanning of bar coded cotton bales. When used with 81663, will print Mirror II or Vomax data with bale identification. Recommended for use with Mirror III to automatically tag data with permanent bale ID. If used without a Mirror II or III, a 21231 network expander is required. 3,180.



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81663 UNIVERSAL PRINTER OPTION FOR MIRROR II OR VOMAX WITH SCANNER  
May be located anywhere on the Mirror's Ethernet network. May work with the Mirror II or serve as a standalone printer for 81690/81667 combination (see above). 3,180.

### ELECTRIC BANJOS

These units mount on the fan inlets of either pull or push fans to provide full fan performance regardless of material loading or air temperature. They unload the fans automatically to provide "soft start" and then modulate smoothly to maintain desired motor load as the air system loading changes. Rugged construction provides excellent performance for drying system pull fans and prolongs fan life, even when used for trash duty applications. Electric Banjos are sized for 24-inch fan inlet diameters. At least one Banjo Control Unit is required and handles a maximum of 8 Electric Banjos. The Control Unit includes a PLC control system with 6-inch touch screen. Remote control and fully automatic operation capability is an available option using a Moisture Mirror III. A compressed air supply with water trap is required. Power supply of 115-230 VAC, 50/60 HZ with 10A protection required.

81510B BANJO II. 7,300.  
81515B BANJO II CONTROL UNIT (FOR 8 BANJOS MAXIMUM). 6,900.

Tip: Use Electric Banjos to increase drying air volume an extra 30% or to help an unloading fan.

### FLAIL OPTION FOR HOT BOX II

81550 Flail option for the Hot Box II uses segments of rotating logging chain to break wads and enhance the drying process. Mounts on top of the Hot Box II. Custom made for each Hot Box, allow for extended delivery. Especially recommended for use with wet UNR and stripper cotton. 7,500.

Tip: Use the flail above the Hot Box II to disperse wet clumps of UNR and stripper cotton.

### COTTON MOISTURE METERS

Delmhorst handheld moisture meters are easy-to-use, easy-to-carry, and offer exceptional repeatability to help the ginner in fine tuning moisture control machinery. They are also excellent for probing modules in wet conditions to spot future problems.

16001A C-2000 Cotton Moisture Meter, with case, less electrodes. 467.  
16002A 30-E/C Bale Moisture Probe for 16001A. 125.  
16003A 52-E/C Cup electrode for seedcotton moisture, for 16001A. 75.  
16876A 830-T/C Tee Handle Module Moisture Probe, 38" long, for 16001A. 260.



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### PREMIUM PRODUCTS ("P" CLASS)

#### STEAMROLLERS

The 81500B Steamroller is a premium moisture restoration method developed for high capacity press operations where lint slide capacity is an issue and batt compression is required. Steamrollers are quoted for each installation by Samuel Jackson engineering staff and assembled following receipt of order. Allow a minimum of 12 weeks for shipment. A Steamroller requires a Humidaire Unit, lower steel support structure, two fans, piping, and a new lint slide.

81500B Base model Steamroller (less Humidaire Unit, fans, piping, and structure) 83,100.

Tip: Spare parts for the Steamroller are found on page 1 with the Humidaire Unit spare parts kits.

#### SAMUEL JACKSON DRYERS

Samuel Jackson Collider-Dryers are sold as components of a completely engineered Samuel Jackson drying system. The dryers are available in six standard versions. Each version is the same physical size, 54 X 78 in plan view, but inlets and outlets are changed to accommodate the amount of air handled. Samuel Jackson Dryers are made of stainless steel to reduce radiant heat loss. These dryers require Samuel Jackson high air volume burners for good performance. Automatic moisture controls are recommended when these dryers are used as fuel savings are amplified under the high air volumes used. They are shipped knocked down, but are easily erected. A Samuel Jackson Dryer includes a custom-designed seed cotton skimmer, which is normally used at the dryer's outlet to achieve a high air-to-cotton ratio. Contact factory for recommendations and a quotation for a drying system to fit your exact needs.

81147 Typical Collider-Dryer with outlet spout, skimmer, and air flow regulator (less heaters, fans, and sheet metal)

By Quote Only



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## The Following Pages are for Internal Use Only

### THE STEAMROLLER (Domestic Net Prices are shown for these items.)

The 81500B Steamroller is a premium moisture restoration method developed for high capacity press operations where lint slide capacity is an issue and batt compression is required. Steamrollers are quoted for each installation by Samuel Jackson engineering staff and assembled following receipt of order. Following are common NET prices for a typical domestic gin plant. Consult with SJ engineering for pricing on longer lint slides and higher structural steel supports.

81500B SR-2001-54 STEAMROLLER LINT CONDITIONER, UPPER SUPPORT, CTRLS.	62,325.
NO. 30 FAN LESS 10 HP MOTOR AND DRIVE, FOR MOIST AIR, WITH GUARDS.	4,250.
NO. 30 FAN LESS 15 HP MOTOR AND DRIVE, FOR EXHAUST AIR, WITH GUARDS.	4,250.
STRUCTURAL STEEL TO SUPPORT STEAMROLLER.	5,450.
NEW LINT SLIDE.	5,500.
PIPING TO CONNECT HU TO SR, EXHAUST, AND HOT AIR LINES TO ALL FANS.	9,680.

*(See quote 06-SREXAMPLE.SJ for example of complete SR system with HU and options.)*

### SAMUEL JACKSON DRYERS (Reference prices are shown for these items.)

The Samuel Jackson Collider-Dryer is sold as a component of a completely engineered Samuel Jackson drying system. It is available in six standard versions. Each model is the same physical size, 54 X 78 in plan view, but inlets and outlets are changed to accommodate the amount of air handled. Samuel Jackson Dryers are made of stainless steel to reduce radiant heat loss. They are shipped knocked down, but are easily erected. Each dryer comes with a sturdy bolt-on ladder and fluorescent lighting to observe cotton action inside the dryer. The prices shown include a custom-designed seed cotton skimmer, which is normally used at the Samuel Jackson outlet to achieve a high air-to-cotton ratio.

	<u>MAXIMUM CFM</u>	
81147 COLLIDER DRYER	39,000	52,290.
DEDUCTION FOR OMITTING SKIMMER		3,335.

Most original Samuel Jackson Fountain Dryers may be converted to collider-style dryers by addition of internal colliders, a collider top, and certain related dryer pieces. Does not include required air flow regulator or spout and skimmer (if required). Does not include engineering and startup. Includes ladder and fluorescent lighting.

81152 DRYER CONVERSION KIT (SJ FOUNTAIN DRYER TO COLLIDER-DRYER)	15,300.
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### AIR FLOW REGULATORS (Reference prices are shown for these items.)

Maintain a constant flow of auxiliary hot air.

81163B AIR FLOW REGULATOR, 45" WIDE, 13,000 CFM MAX	3,100.
81164A AIR FLOW REGULATOR, 45" WIDE, 20,000 CFM MAX	3,500.
19370 SELF-REGULATING HOT AIR INLET VALVE.	2,700.

### COLLIDER-TRAPS (Reference prices shown for these items.)

The collider-trap is a drying device which is also a precision trap for removing rocks, green bolls and even very wet locks of cotton. It opposes the incoming stream of airborne seed cotton with a stream of low-velocity hot air which is penetrated by the heavier items. Good cotton is floated out with all the hot air. Collider-trap prices include an air flow regulator, but do not include necessary trash dropper or supports. Not compatible with Collider-style dryers.

81262 COLLIDER-TRAP, 45-IN, 13,000 CFM MAX HOT AIR.	10,730.
81263 COLLIDER-TRAP, 45-IN, 20,000 CFM MAX HOT AIR.	11,300.



# Reference Price List

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Tel: 806-795-5218 Fax: 806-795-8240  
Toll free: 800-862-9966 Web: samjackson.com

### SEED COTTON DISPERSERS (Reference prices shown for these items.)

Used under Murray feed control bins.

18860 DISPERSER, 72", less motor, drive and guard.	7,000.
18765 DISPERSER, 96", less motor, drive and guard.	7,400.

### 4-MIL HEATER UPGRADE TO 8-MIL (Domestic net prices shown for these items.)

21052 UPGRADE OF MODEL HG-4-1204A TO HG-8-1208A.	6,300.
21052 UPGRADE OF HG-4-1204A TO HG-8-1208A WITH COLLIDER PURCHASE.	3,500.
21053 UPGRADE OF 16565 SUPPORT SCREEN TO 16555 SUPPORT FOR HG-8.	1,450.
21053 UPGRADE OF 16565 TO 16555 FOR HG-8 WITH COLLIDER PURCHASE.	1,300.

### ENGINEERING SERVICES

When we sell our heaters and Humidaire Units, we are always glad to advise our customers on installation problems at no charge. When we design a complete drying or humidification system, there are engineering and start-up expenses. Reasonable expenses are included in the price of the dryer. Unless a special negotiation has been made, drying systems and Steamroller systems are not discounted beyond domestic gin net price to gin manufacturers or dealers, although they may receive a discount on the heaters or Humidaire Units and accessories used within the system, according to their discount classification.

### START-UP SERVICES

On sales of any of our heaters or Humidaire units in the continental United States, we furnish, at no extra charge, one of our servicemen to inspect, start up and adjust our equipment and its wiring. Outside the United States, the extra charge for this service will depend upon the country and how much of our new equipment is at that location. Drying system start-up is as follows:

### SERVICE RATES (Domestic net prices shown for these items.)

Standard, (7:00 AM to 6:00 PM) business hour service rate.	90/hour + 1.8/mile
After hour (6:00 PM to 7:00 AM) service rate.	120/hour + 2.00/mile
Weekend and holiday.	120/hour + 2.00/mile

## **OUTSOURCED PRODUCTS AND SERVICES**

*Out-sourced products will normally be quoted without a reference price or discount shown, net price to customer. Out-sourced items are normally excluded from calculation of sales commission unless specifically arranged and coordinated with the sales agent prior to quoting. Earlybird discount is not applied to out-sourced products. Suggested markup is to be used as a guide. Dagrís net prices reflect established price levels for Dagrís projects.*

	SJ Cost	Dagrís Net	Suggested Markup
<b><u>SMITH FANS</u></b> – (Prices updated 4/1/04) Specify assembly configuration. The 60E model is a heavy duty, high static-pressure fan normally used for pull-through drying service. Also used as unloading fan without super-charging. 44" blast wheel.			
SMITH 60E FAN, Less motor and drive, with drive guard and integral motor mount.	Call		1.25
SMITH 30 FAN, Less motor and drive, with drive guard and integral motor mount.	2,040		1.25
SMITH 30 FAN, with 10 HP TEFC motor, drives, and guard.	2,610		1.25
SMITH 30 FAN, with 15 HP TEFC motor, drives, and guard.	2,859		1.25
SMITH 30 FAN (S.S.), Less motor and drive, with guard and integral motor mount.	2,520		1.25



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**KIMBELL FANS** – Specify assembly configuration. This is a heavy duty, high static-pressure fan normally used for pull-through drying service. Also used as unloading fan without super-charging. 44” blast wheel.

KGM 60 HE FAN, with ½” back, less motor and drive, but with drive guard and top motor mount. Call 1.33

The KGM-D 30 fan is constructed of mild steel for use in clean air and humid air applications. Motor mounted on fan base.

KGM-D 30 FAN, with uninstalled guard, less motor mount, motor, and drive. 2,231 1.33

KGM-D 30 FAN, with top motor mount, guard, and drive, less motor. 2,591 1.33

KGM-D 30 FAN, with 10 HP TEFC motor, drive, guard. 2,786 1.33

KGM-D 30 FAN, with 10 HP TEFC motor, drive, guard. (All stainless construction) 4,179 1.33

KGM-D 30 FAN, with 15 HP TEFC motor, drive, guard. 2,909 1.33

**CAPROCK METAL PIPING AND ACCESSORIES** – Supply sketch with order. Following are good estimates for typical installations.

Universal piping kit with hood. Use where dimensions are not known. 4,220 1.40

Lint slide sidewall extensions for 54” high. \$25/foot (each side) 1.40

Piping and transitions for HU with Double-Entry CH’s (2), classic style. 4,125 1.40

Piping and transitions for HU with Double-Entry CH’s (3), classic style. 4,785 1.40

Piping and transitions for HU with Double-Entry CH’s (4), classic style. 5,445 1.40

Piping and transitions for HU with Double-Entry CH’s (2), side-entry style. 3,355 1.40

Piping and transitions for HU with Double-Entry CH’s (3), side-entry style. 3,850 1.40

Piping and transitions for HU with Double-Entry CH’s (4), side-entry style. 4,345 1.40

Piping and transitions for HU to MC Condenser with 16920 Valve, does not include transitions to lint slide or battery condenser normally supplied by Lummus. 4,530 1.40

## **MISCELLANEOUS ITEMS**

### **WETTING AGENTS**

80010 MOYST Powdered Wetting Agent, 100-pound steel drum. (Will moisten 15,000 bales of cotton at recommended application rate.) 1,032.

80020 MOYST N CONCENTRATE Liquid Wetting Agent, 55-gal steel drum (Will moisten 44,000 bales of cotton at recommended application rate.) 2,497.

80021 MOYST N CONCENTRATE Liquid Wetting Agent, 5-gallon pail. (Will moisten 4,000 bales of cotton at recommended application rate.) 270.