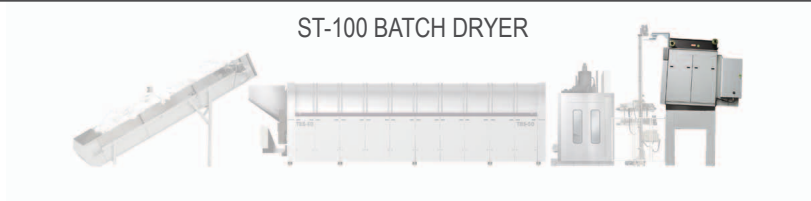


GIRBAU INDUSTRIAL™

LAUNDRY EQUIPMENT



ST-100 BATCH DRYER



ROBUST AND EFFICIENT DRYING ST-100



The ST-100 Dryer is engineered to unbind, condition and completely dry up to 225 pounds of linen per load, using less energy. Used in concert with the Girbau Industrial Batch Washer, or as a stand-alone dryer, the ST-100's robust heating system effectively circulates air through laundry while removing moisture inside the drum for a quicker dry. Available in steam, hot oil or natural gas heat, the ST-100 is designed with the Spirotilt-Girbau™ system—optimizing drying and simplifying unloading.

SPIROTILT-GIRBAU – DELIVERING A FAST DRY & SEAMLESS UNLOADING

A patented and revolutionary system available only on the ST-100 Dryer, Spirotilt-Girbau combines a slight drum incline of 2.5 degrees with interior drum blades to ensure laundry items do not clump and bind during drying. Thanks to unique engineering, Spirotilt-Girbau also ensures seamless automated unloading without dryer tilting.



DRYING PHASE

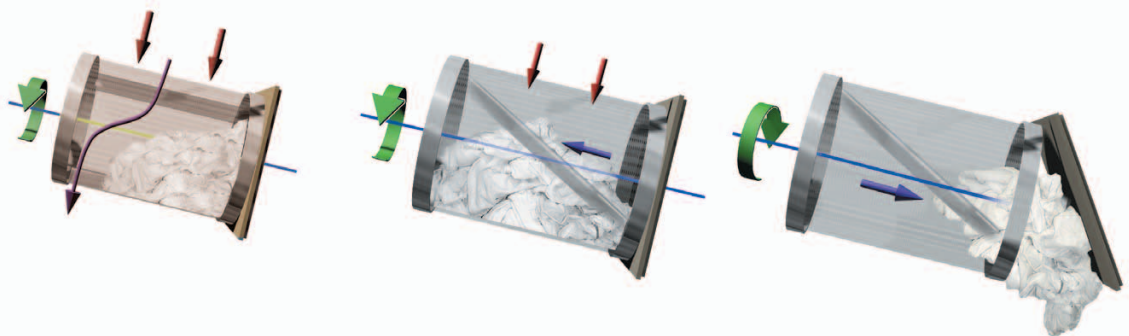
During the drying process, the drum rotates on an incline in a clockwise direction. Blades inside the drum force laundry from the back of the cylinder toward the front, achieving even airflow through the load. Unlike other dryers, the ST-100 does not use gaskets to facilitate the drying process, and as a result, eliminates unnecessary gasket maintenance.

UNLOADING PHASE

Spirotilt-Girbau facilitates unloading, as well, thanks to effective engineering. During the unloading process, the dryer drum rotates counterclockwise on the same incline. The incline of the drum works with the interior drum blades to move the load toward the back of the cylinder, where it is unloaded onto a conveyor.

DISCOVER THE DIFFERENCE

Some dryers feature a drum that stays in the horizontal position to eliminate laundry clumping, but during the unloading process, use the airflow of the fan to unload the laundry. This system releases lint into the laundry area and triggers the unnecessary cool-down of the dryer. Other dryers are designed with a tilt system for unloading, but those require steam connections and flexible steam exhaust connections that can lead to multiple breakdowns and leaks. Other models use gaskets to keep laundry balanced throughout the cylinder, but those gaskets require regular maintenance. The Spirotilt-Girbau system ensures the best combination of drying results and seamless unloading.



PROVEN DURABILITY

The ST-100 is designed for quiet, effective operation and unmatched longevity. All dryer components that come into contact with laundry are constructed of AISI 304 stainless steel, while the chassis features steel sides finished in durable epoxy paint. The robust drum, supported by a set of guide wheels, not only delivers silent operation, it ensures years of no-hassle maintenance-free use.

HIGHLY PROGRAMMABLE

With 16 drying programs offering eight programmable phases, the ST-100 delivers the ultimate in programmability to meet the specific needs of any linen type. Each phase can be programmed to control time, temperature, counterclockwise or clockwise rotation, speed, and all unloading variables. The dryer can be linked to the batch washer and controlled via the system Central Control.

PRODUCTION MANAGEMENT IN A GRAPHIC ENVIRONMENT

Every facet of the ST-100 can be programmed from the Central Control. The control's graphic management system allows operators to select different management options with a simple click of the mouse – providing quick and easy control over every aspect of the laundry. The Central Control's computer can be located in a remote location, such as in a manager's office. That control allows users to make changes to equipment formulas and save those changes for a later time.

PROCESSING REPORTS/DATA IN REAL TIME

The control's computer system allows users to run control reports detailing production, temperature, dosing, pump flow, mechanical action/cycle, press pressure, drying programs, customer screens descriptions, quick-check diagnostics, records of alarms and more. All data is exportable in spreadsheet form using MS Excel.

- Control system display screen and printer available
- Control system electrical wiring is designed to fit the type of signal transmitted to avoid interferences
- Simple-to-use graphic display allows for efficient management with a click of a mouse
- Ethernet connection with technical assistance
- Maintenance program instructions and logs inspection reloads and dates



FEATURES OF THE ST-100

AUTOMATIC COOL-DOWN AND TEMPERATURE CONTROL

During cool-down, a thermostat controls the opening and closing movements of a large damper that introduces cool air into the drum to cool linen. (optional in steam and hot oil)

THERMOSTATIC SPRINKLER

An anti-fire system prevents the spread of flames in the event very high temperatures are detected in the dryer drum. A thermostatic self-contained safety sprinkler operates when temperatures surpass 260 C or 500 F, spraying water inside the dryer interior. Two safety thermostats stop the dryer and disconnect its electrical feed BEFORE the sprinkler system engages. (standard gas, optional steam/hot oil)

AUTOMATIC LINT FILTER CLEANING

The ST-100's automatic filter cleaning system ensures the filter is cleaned for optimum dryer performance. When the system detects a soiled filter during the unloading process, it automatically activates the filter cleaning process and removes the lint to the exterior, without interrupting the drying process.

TEFLON-COATED INTERIOR DRUM

The dryer drum's interior is coated with Teflon® to prevent any plastics, inadvertently mixed in with the laundry, adhere to the drum as a result of high temperatures.

PEDESTALS TO ADJUST DRYER HEIGHT

Five differently sized pedestals can be used to adjust the height of the dryer according to the needs of the facility. The longest pedestal height provides the best conditions for unloading.

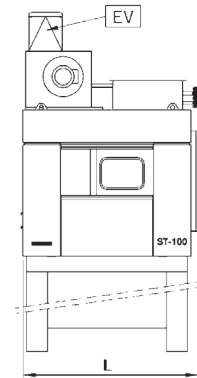
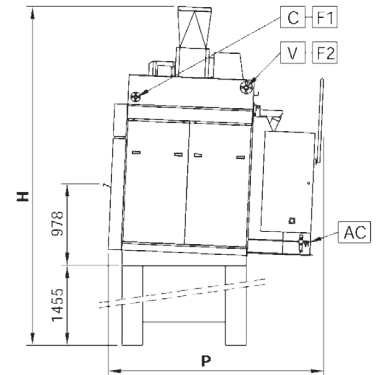
THE HIGHEST SAFETY STANDARDS

The ST-100 is very safe to operate and complies with the most rigorous safety guidelines across the globe. CE Certification and compliance with the Machine Safety Directive, Electromagnetic Compatibility Directive and the Gas Devices Directive.



GIRBAU INDUSTRIAL ST-100 BATCH DRYER

MODEL		ST-100 -V	ST-100 -F	ST-100 -G	ST-100 -D
Capacity 1/20	lbs. (kg.)	280 (127)			
Capacity 1/25	lbs. (kg.)	220 (100)			
Heating Power	BTU/h (kW)	-	-	986,462 (289)	-
Drum Diameter	in. (mm.)	57.9 (1470)			
Drum Depth	in. (mm.)	59.0 (1500)			
Drum Volume	cu. ft. (dm. ³)	89.9 (2545)			
Rotation Speed	rpm	25			
Net Weight	lbs. (kg.)	5360 (2466)	5360 (2466)	5360 (2466)	3836 (1740)
Gross Weight	lbs. (kg.)	5977 (2750)	5977 (2750)	5977 (2750)	3913 (1800)
Height H	in. (mm.)	177 (4500)	177 (4500)	177 (4500)	145 (3700)
Width L	in. (mm.)	79.1 (2010)			
Depth P	in. (mm.)	102 (2590)			
Steam Diameter V	in. (mm.)	1 1/2 (DN-40)	-	-	-
Return Diameter C	in. (mm.)	1 (DN-25)	-	-	-
Steam Consump. 10 bar	lbs./h. (kg./h.)	1102 (500)	-	-	-
How Oil Flow	cfm (m. ³ /h)	-	17.6 (30)	-	-
Inlet Diameter F1	in. (mm.)	-	2 1/2 (DN-65)	-	-
Outlet Diameter F2	in. (mm.)	-	2 1/2 (DN-65)	-	-
Gas Connection Diameter	inch	-	-	1 1/4	-
Exhaust Diameter EV	in. (mm.)	15.75 (400)	15.75 (400)	15.75 (400)	-
Airflow	cfm (m. ³ /h)	5887 (10,000)	5887 (10,000)	1764 (3000)	-
Max. Airflow Resistance	mm. H ₂ O	25	25	25	-
Compressed Air Diameter AC	in. (mm.)	3/8 (10)			
Comp. Air Consum. 6 bar	gal./h. (l./h.)	87.1 (330)	87.1 (330)	87.1 (330)	40 (150)
Motor Power	HP (kW)	15.4 (11)	15.4 (11)	16.1 (11.5)	4.2 (3)
Sound Level	A (Db)	75	75	75	< 70
Voltage		380-440 V 3-Ph 50/60 Hz			



* Product specifications are subject to change without notice. For the most current and complete product specifications and warranty information please contact Girbau Industrial or visit www.girbauindustrial.com.

REMOTE TECHNICAL SUPPORT FROM GIRBAU INDUSTRIAL

It's easier than ever to troubleshoot technical problems thanks to Girbau Industrial's new remote support. Through an ADSL connection with any machine of the laundry system – batch washer, press, ironers, dryers or conveyors – Girbau Industrial can troubleshoot problems and provide technical assistance. This service helps reduce downtime and lost productivity by getting your equipment up and running more quickly.



ENVIRONMENTALLY FRIENDLY

Girbau S.A. laundry products meet rigorous environmental and safety standards established by the International Organization for Standardization (ISO). With the utmost concern for the environment, the TBS-50 Batch Washer optimizes water usage during large-volume laundry processing by reusing extracted water and rinse water. Developed to reduce noise pollution as well, the TBS-50 Batch Washer is extremely quiet thanks to inverter-controlled motors and gentle progressive movements. Additionally, the transmission system gear is quiet and the steam inlets are equipped with silencers – making for a more appealing work environment for users of the system.

Ever focused on laundry efficiency, Continental Girbau, the North American subsidiary of Girbau S.A., is a member of the U.S. Green Building Council (USGB), a 501(c)(3) nonprofit that developed the Leadership in Energy and Environmental Design (LEED) Green Building Rating System.



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