

Sentinel™ II Lint Cleaner

The Unquestioned World Leader

Since its introduction in 1999, no lint cleaner has been as popular as the Sentinel™ Lint Cleaner. With over 300 units in operation, the success of this product, based on its performance, capacity, reliability, and fiber quality preservation, is beyond compare.

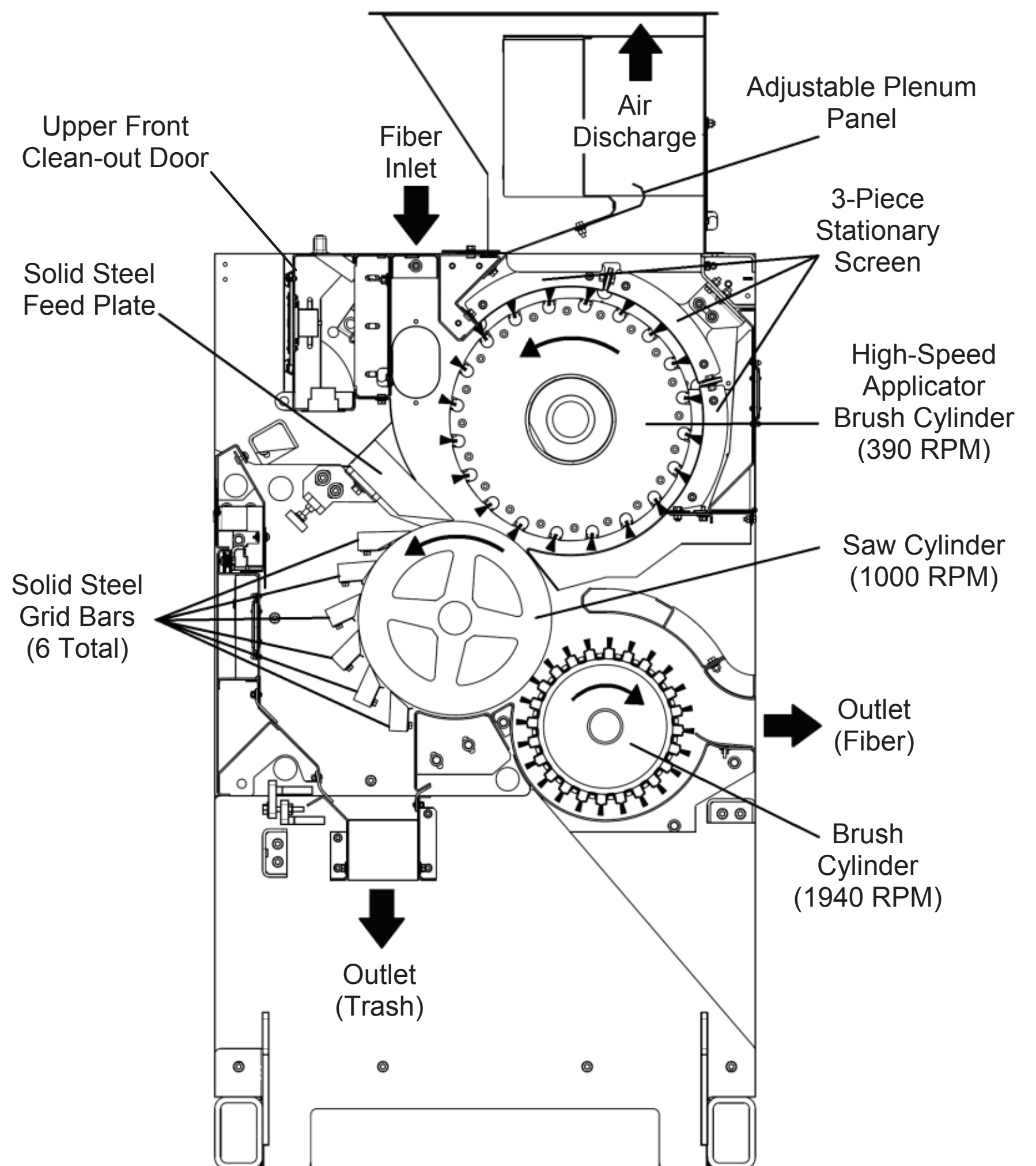
The latest Sentinel™ II Lint Cleaner, available in both 108" and 144" wide models, is the culmination of everything learned over the past two decades and applied to a design that optimizes performance in both capacity and fiber quality. Utilizing patented technology (U.S. Patent 7,779,514), individual tufts of fiber are applied directly to the saw, rather than agglomerating the lint into a batt on a low-speed revolving condenser drum like conventional controlled-batt, saw-type lint cleaners. This keeps trash from being compressed into the fiber, thus, making it easier to remove, while also eliminating the harsh transfer to the saw which occurs in conventional saw-type lint cleaner feed works. The Sentinel™ II feeding system results in creation of fewer neps and short fiber than conventional saw-type lint cleaners. And all this is accomplished at unprecedented throughput capacities.

The Sentinel™ II Lint Cleaner design also provides for ease of access for maintenance and simplicity of initial on-site installation and set-up.



Sentinel™ II Features:

- Six (6) grid bars offer excellent cleaning and less fiber loss. On the 144" wide model, the grid bar section is split, allowing for easier grid bar adjustment.
- Removable grid bar section with rigid frame – allows for removal of the saw cylinder through the front of the machine.
- No feed works for simplified maintenance.
- Multiple access doors with safety interlocks and cleaning points for simplified maintenance.
- Exhaust plenum has an adjustable panel to manage the pressure drop and air distribution across the full width of the machine.
- High-speed Applicator Brush Cylinder with single-direction adjustment facilitates excellent lint feeding onto saw cylinder, while wiping clean any lint accumulating on the perforated air removal panels – an innovative retainer system allows for replacement of individual brush sticks.
- Stop-Motion Sensors with indicator lights on door interlocks.
- Heavy-duty, full-width steel Feed Plate (144" wide model has an adjustable center support).
- Only three (3) cylinders in the entire machine, all using the same size pillow block bearing.
- Only one motor per lint cleaner – 40-HP on the 108" wide model and 50-HP on the 144" wide model – no variable-speed condenser drive motors.
- The support stand is an integrated part of the machine, which provides for increased stability during shipping, simplified installation, and rugged operational performance.
- For existing Sentinel™ Lint Cleaners, a conversion kit is available to replace the perforated High-Speed Revolving Drum and traversing Blow-Down Nozzle to the High-Speed Applicator Brush Cylinder and Stationary Screen Panels. Additionally, a kit is available to add the Upper Front Clean-out Door to pre-2016 factory 108 Sentinel™ II machines or converted original-design 108 Sentinel™ machines.



Cross-section of Sentinel™ II Lint Cleaner



Physical Address: 225 Bourne Boulevard • Savannah, Georgia 31408-9586 USA
Mailing Address: P. O. Box 929 • Pooler, Georgia 31322-0929 USA
Phone: (912) 447-9000 • Fax: (912) 447-9250
Toll Free (USA Only): 1-800-4LUMMUS (1-800-458-6687)
Web Site: www.lummus.com • E-mail: lummus.sales@lummus.com



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