VersaJet™ Traversing Shower Systems

Overview

Applications
VersaJet traversing shower systems are designed for effective and efficient cleaning of rolls, forming, and pressing fabrics. The VersaJet shower system uses less water than full-width showers, minimizes mist, and reduces water usage.

Features
- Compact, corrosion-resistant design
- Easy to install, operate, and maintain
- User-friendly LCD display programming
- Operating temperature up to 300°F (149°C)
- Cleaning pressure up to 5,000 psi (345 bar)

Benefits
- Improved fabric life and performance
- Reduced water usage and effective cleaning
- Effective removal of recycled stickies
- Increased productivity and uptime

Better cleaning for new fabrics and furnishes
Clean, permeable fabrics are essential to consistently produce a quality sheet. The new forming and press fabric designs must be kept cleaner to maintain drainage needed to produce a uniform, high quality sheet. At the same time, increased use of recycled furnish means higher levels of contaminants, especially hard-to-remove materials like stickies.

The VersaJet traversing shower system was designed for conditions like these. Depending on cleaning requirements, the VersaJet system uses up to five water jets or fans to dislodge and wash contaminants off the fabric. The high-pressure, low-volume nozzles provide thorough and efficient cleaning.

VersaJet PF™ and HSF™ Systems
VersaJet PF is for press and forming applications requiring low speed cleaning. The HSF version is for forming or roll applications that require high speed cleaning. The VersaJet traverses between 0.5” – 120” (12 mm – 3048 mm) per minute. Benefits include:

- More complete and consistent forming, press, and roll cleaning improves productivity and product quality.
- Substantially reduced water consumption and mist, especially on top wire formers.
- Robust, compact design including stainless steel structure, Servo motor coupled to lead screw. No traversing electronics, chains, or belts.
- System is designed for specific machine configuration and width.
- Shower speed is synchronized to fabric speed.
- Programmable spot cleaning capability.
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System control options
Precisely control speed, and stop/start from keypad or discrete I/O interface.

- Configure parameters from control panel keypad or Modbus 485 interface.
- LCD display (4 lines x 20 characters) allows quick viewing of status of motor amps, linear velocity, position, etc.
- Water shut-off safeguard included to protect fabric if motion stops.
- Plug-in control module designed for quick and easy maintenance.
- Nema 4 control enclosure.
- On/Off power switch and alert light on panel face.
- Membrane keypad for menu navigation and data entry.
- Cool-running oversized heat-sink for extended board life.
- Service odometer aids in scheduling preventive maintenance.
- Analog output allows motor amps to be remotely monitored to indicate a shower system problem such as worn bearings or misalignment.
- Programmable I/O for supervisory control.

Pumping system
All VersaJet shower systems can be supplied with a high pressure pumping system. Pumping stations produce constant pressure through the pump at the flow rate demanded by the shower. System advantages include:

- Consistent pressure regardless of the number of shower nozzles in use.
- Water pressure up to 5,000 psig (345 bar).
- Improved energy efficiency.