

Mist Eliminators

Mist-free high pressure cleaning system

KĀDANT
AN ACCENT ON INNOVATION

Improve fabric
cleaning and
eliminate mist.



Effective forming fabric cleaning and
reduced wet end sheet breaks.

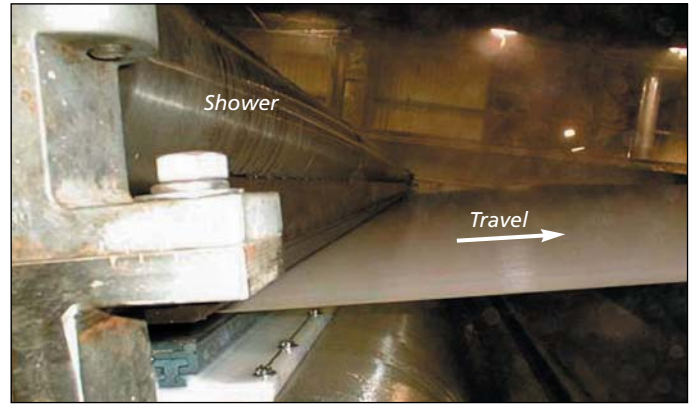
Optimize Fabric Cleaning

Single-Sided Systems

Before Mist Eliminator



After Mist Eliminator



Fabric width of 251" (6.38 m) running 2800 fpm (850 mpm) with a shower pressure of 475 psi (33 bar).

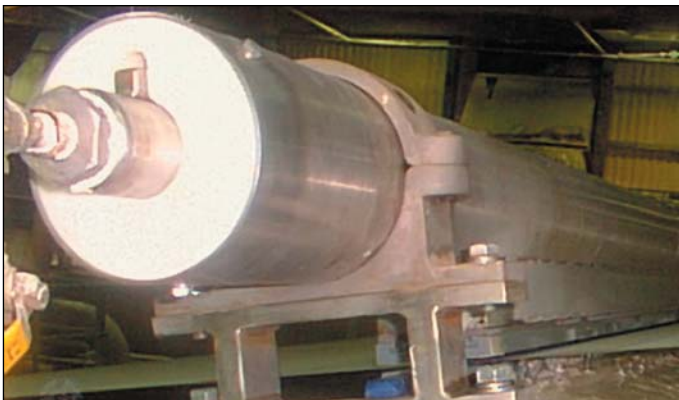
Single-sided cleaning system

This system incorporates an oscillating high pressure shower enclosed within an outer shroud that is designed to contain and capture all the splash and mist associated with high speed fabric cleaning. The complete shower assembly is mounted above a vacuum box that removes the water and contaminants away from the machine. A precisely controlled gap between the vacuum box and shower shroud assures a constant flow of air into the vacuum box. An air/water separator and exhauster is supplied to provide the vacuum source for the mist eliminator.

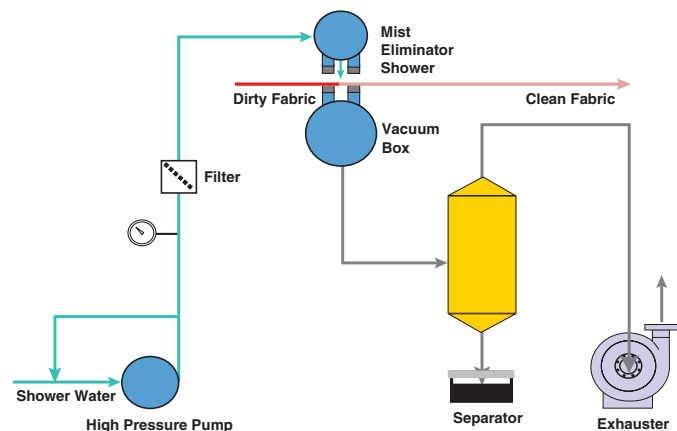
Benefits of Kadant Mist Elimination Systems

- ▶ Increased profitability by reducing wet end breaks
- ▶ Improved safety by minimizing dangerous slippery areas
- ▶ Maximize uptime due to fewer wet end wash-ups
- ▶ Minimize sheet defects and holes

Single-Sided System with Shrouded Shower Over Vacuum Box



Face Side Showering



Double-Sided Systems

Before Mist Eliminator



207" (5.25 m) fabric at 3600 fpm (1100 mpm) and 150 psi (11 bar) shower.

After Mist Eliminator

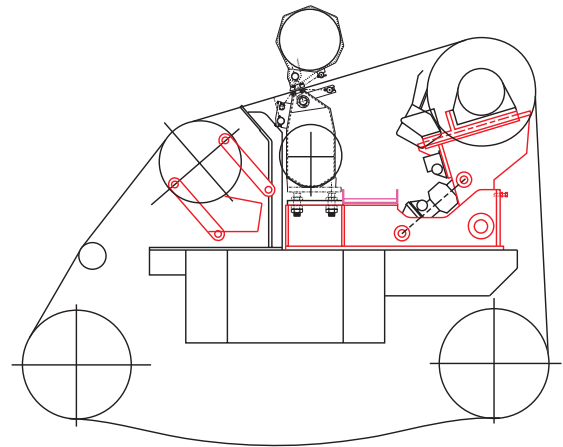


207" (5.25 m) fabric at 3600 fpm (1100 mpm) and 350 psi (25 bar) shower.

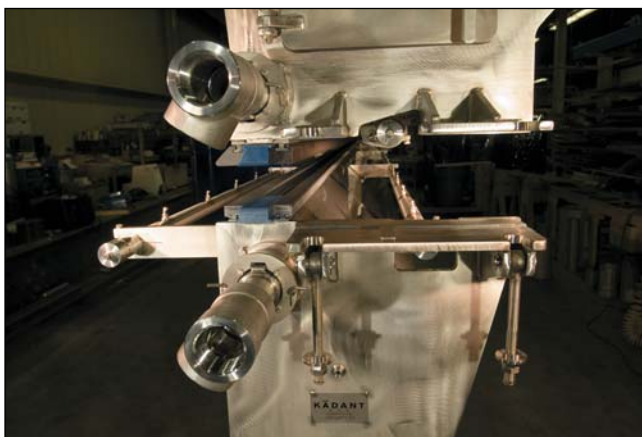
Running Position

Double-sided cleaning system

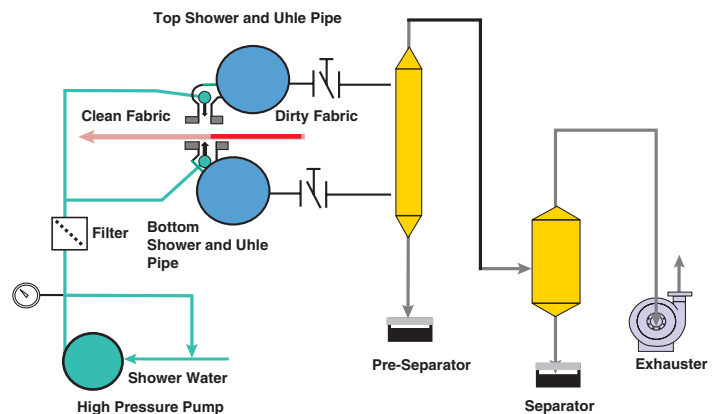
This system is used where more aggressive cleaning is required. This system has both inside and outside showering. Double-sided showering system has all of the features of the single-sided showering with the addition of an inside shower and an outside suction box. The Kadant design has an aerodynamically designed inlet to the top suction box that will minimize build up and drop offs. We provide dampers on both the inner and outer pipe to enhance the performance of our system.



Cantilever Design

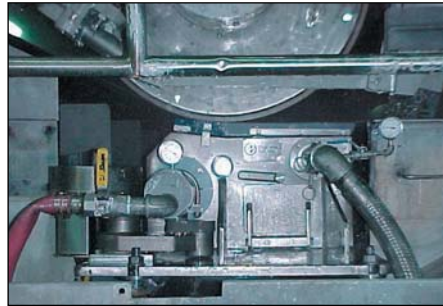


Double-Sided Showering



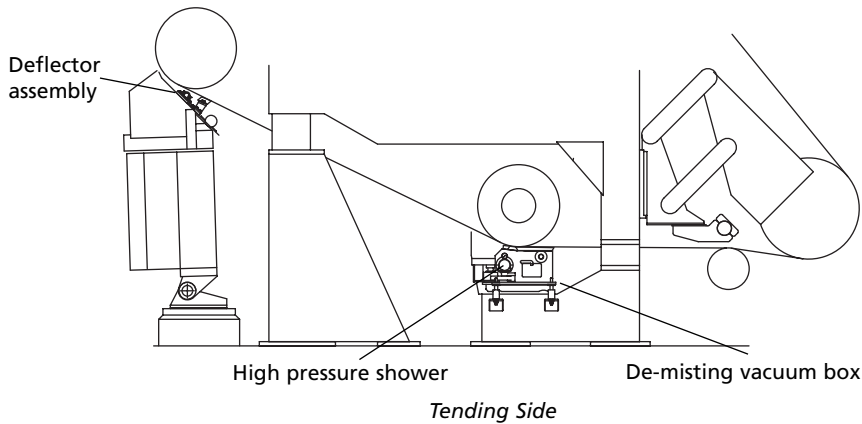
GAP Former Mist Elimination System

Gap formers offer special challenges for contamination control. Speeds are high and the "free span" of the fabric is short. Conventional mist elimination techniques are difficult to apply because air volumes become excessive. However, using a combination of proper showering, mist elimination, and deflectors, gap former operation can be greatly enhanced.



Cleaning against a roll face provides the cleanest wire for gap formers. The Kadant Gap Former Mist Eliminator combines this cleaning technology with our mist elimination expertise to provide the best system in the market place for cleaning the fabric and removing mist.

GAP Former System



Features of Kadant Mist Elimination Systems

- ▶ Complete system supply or retrofit of existing systems
- ▶ Clean design using 316L stainless steel
- ▶ Customized applications sizing based on grade, speed, degree of contamination
- ▶ Proven Kadant AES components: showers, oscillators, wear surfaces, separators

Double-Sided Mist Eliminator Installed on Bel-Bond



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ME-3000 06/2007
replaces New
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