

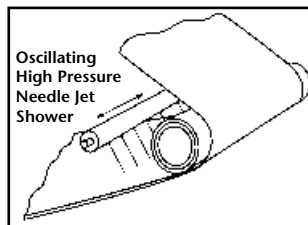
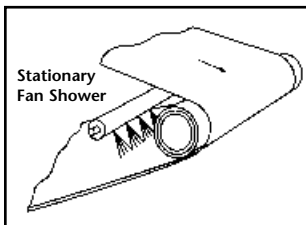
FABRIC CLEANING NONWOVENS

Fabric cleaning & conditioning for nonwovens

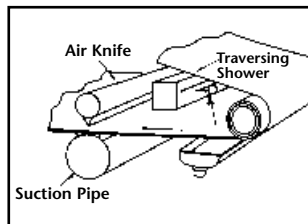
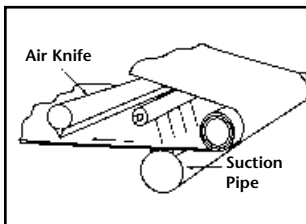
Nonwoven processes, as with pulp and paper manufacturing, can optimize product quality and reduce operational costs by integrating properly engineered fabric cleaning and conditioning systems. Kadant AES is a world leader in the design and application of showering and dewatering components that form effective cleaning and conditioning systems. Whether your nonwoven operation is air-laid, wet-laid, spunlace, spunbond or meltblown, Kadant AES can provide the systems that extend fabric life, minimize maintenance, increase operational efficiency and deliver a higher quality product.

A history of technological advance

Early nonwoven cleaning and conditioning applications utilized an inside stationary shower with fan nozzles.

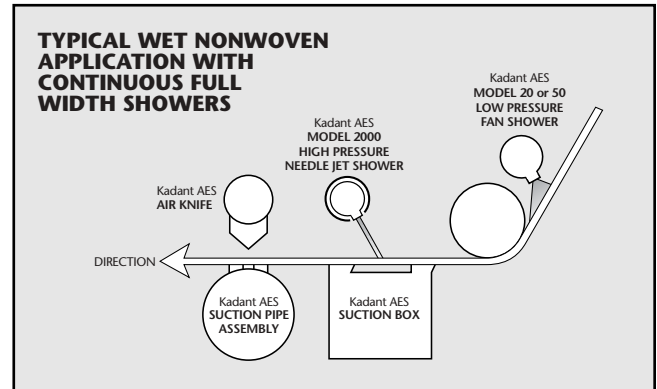


Although effective, the shower could only be used intermittently. Replacing the stationary fan shower with a high pressure oscillating needle jet shower proved more effective for fabric cleaning, yet still was a batch or intermittent opera-



tion. Wet streaks in both fabric and process necessitated the use of additional dewatering equipment. Subsequent developments led to full coverage, continuous operation cleaning and conditioning systems utilizing combined showering and dewatering technology.

Today, advanced Kadant AES cleaning and conditioning systems are capable of delivering highly successful solutions for nonwoven applications.



Wet process nonwoven applications

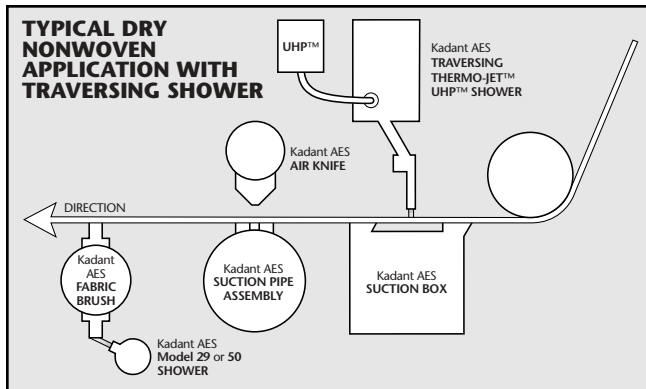
Kadant AES provides custom designed cleaning and conditioning systems to match the needs of wet process nonwoven applications with components that may include:

- *Kadant AES low pressure stationary fan showers*
 - Kadant AES **29** Showers—low cost, low maintenance, single tube, can use filtered fresh water
 - Kadant AES **50** Showers—single tube, internal brush, can use recycled process water
 - Kadant AES **2050** Showers—double tube, internal brush, can use recycled process water
 - Kadant AES **2900** Showers—low cost, double tube, can use filtered water
- *Kadant AES high pressure oscillating needle jet showers*
 - Kadant AES **32** Showers—low cost, single tube, can use filtered fresh water
 - Kadant AES **51** Showers—single tube, internal brush, can use recycled process water
 - Kadant AES **2000** Showers—single tube, can use filtered fresh water
 - Kadant AES **2051** Showers—double tube, internal brush, can use recycled process water
- Kadant AES also offers a full range of oscillation options.
- *Kadant AES Air Knives*—full width, narrow slot, matched-to-application assemblies delivering high velocity air are highly effective at removing excess water and loosened contaminants from the machine fabric.
- *Kadant AES Suction Box and Suction Pipe Assemblies*—application specific, custom dewatering assemblies; separators with mist eliminators; high efficiency exhausters—Kadant AES has unequalled expertise in supplying dewatering components to match your needs.

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FABRIC CLEANING NONWOVENS



Dry process nonwoven applications

Application specific, custom fabric cleaning and conditioning systems for dry process nonwoven applications may include:

- Kadant AES traversing showers
 - *ACCU-JET™* or *THERMO-JET™* with *UHP™* (Ultra

High Pressure) technology deliver maximum control cleaning through varied water/air nozzle configurations matched to a specific nonwoven process. High performance showers with precise coverage control, installation flexibility, reliability, safety and ease of maintenance.

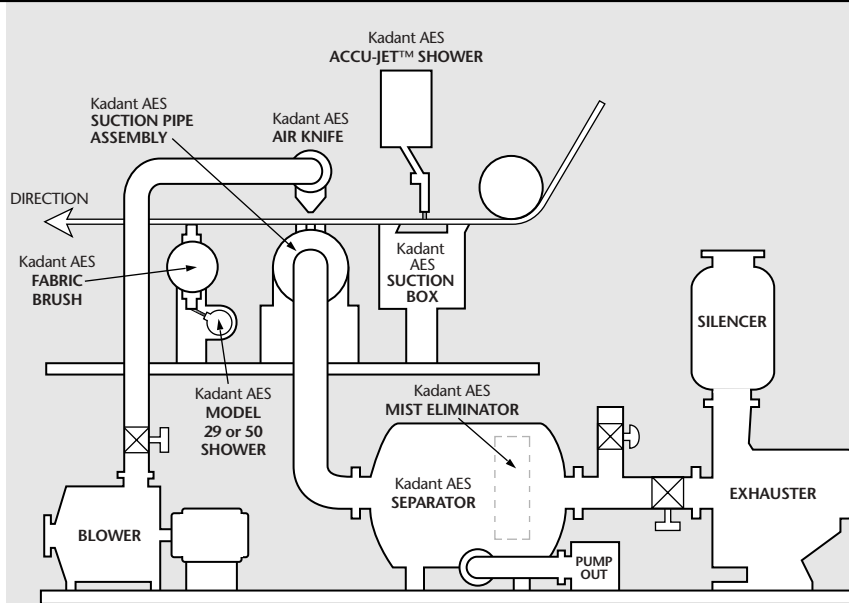
- Kadant AES *Air Knives*—full width, narrow slot, matched-to-application assemblies delivering high velocity air are highly effective at removing excess water and loosened contaminants from the machine fabric.
- Kadant AES *Suction Box and Suction Pipe Assemblies*—application specific, custom dewatering assemblies; separators with mist eliminators, high efficiency exhausters—AES has unequalled expertise in supplying dewatering components to match your needs.
- Kadant AES *Fabric Brushes*—Integrated rotating fabric brush and brush cleaning shower assemblies—highly effective for removing surface contaminants from machine fabrics.

The right solutions to tough problems

Look to Kadant AES for results proven cleaning and conditioning systems for nonwoven applications.

Innovative design; quality production; matchless experience; responsive service—performance that results in the right solutions to tough problems.

For further information and expert recommendations, consult your Kadant AES Sales or Applications Engineer.



TYPICAL NONWOVEN FABRIC CLEANING SYSTEM

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