

JETI AirShower



- Two models—industrial and clean room
- High-efficiency HEPA filter
- Siemens controls
- Minimal air turbulence
- Auto-locking design
- Automated boot/shoe cleaning



CLEAN WORK ENVIRONMENTS

At JETI GmbH, we're all about hygienic solutions. Located in Germany, we are known in many industries and countries for our automated JETI cleaner hand and boot washing systems. We serve manufacturers of food, automobiles, chemicals, superconductors, pharmaceuticals, oil and gas, fiberglass and other products.

A relatively new development of ours is the Jeti AirShower. It's an all-stainless step-in cubicle equipped with a high-speed fan and HEPA filter that sanitizes the clothing an employee is wearing when he or she moves from one part of the plant to another.



JETI AIRSHOWER Z-250, Z-260

JETI AirShowers measure 1100 mm (43.3 inches) square, by 3100 mm (122 inches) high. They are made from glass and stainless steel, and are available in two models: clean room JETI AirShower Z-250 for laboratories and similar sensitive environments, and the industrial JETI AirShower Z-260 for general use.

Both units have two glass doors, one for the "grey" side, and the other for the "clean" side. The Z-250 has an automatic door locking mechanism that is designed to keep employees inside long enough to get full sanitary treatment before entering a lab, paint booth, semi-conductor production area, or other environment where absence of dust and other contaminants is critical. The Z-260, on the other hand, has doors that operate manually and is designed for less demanding environments.



JETI AirShower

FOUR COLUMNS OF AIR

When in stand-by mode, both doors of the JETI AirShower Z-250 are unlocked. The employee opens and enters the grey-side door and steps inside. The door closes by itself causing locks to engage and the fan to begin operating.

The fan feeds clean, filtered air at a maximum 37m/s (7284 ft/min) through four columns of air nozzles located in each corner of the enclosure. Each column has seven evenly-spaced nozzles, and the air pressure they generate is strong enough to loosen over 99.9 percent of particles from a person's clothing within 20 seconds, the minimum default cycle period. If desired, the 20-second cycle period can be adjusted, as can air velocity and air volume, to meet every cleaning requirement.

TWO-STAGE FILTRATION

Air from the nozzles is sucked through intake vents in the stainless steel enclosure into a closed circuit return system. The air passes through one of two pre-filters and then travels upward for final cleaning in a HEPA filter—an EU 13, which removes up to 99.995 percent of particles ranging from 0.3 to 10 microns, or an optional EU 14, which removes up to 99.999 percent of contaminants in that range.



SMOOTH SURFACES

JETI AirShowers are designed to minimize air turbulence, which can lower cleaning performance. Inside stainless steel wall panels, for instance, are formed from a single sheet of metal, which, unlike many competitive units, means there are no seams that can cause air to catch and swirl. Also unique among air showers, all electrical components, including wiring, fans, and filters, are physically separated from the rest of the enclosure, further reducing turbulence and potential contamination.

Static electricity carried on worker clothing, particularly where semiconductors and electronic devices are produced, can be a significant problem. To eliminate this risk, an optional ionized air rinse can be installed to neutralize static charges prior to workers entering clean rooms or other sensitive areas.

EASY MAINTENANCE AND INSTALLATION

Maintenance of JETI AirShowers centers mostly on replacement of light bulbs and filters with the occasional lubrication of fan motors and checking of wiring and other electrical components.

The fan and HEPA filter are housed in their own enclosure and can be quickly accessed for maintenance through their own door panel. Pre-filters located in the walls of the cubicle are similarly accessible and are designed to protect the HEPA filter and prolong its life. A differential pressure gauge monitors the performance of the HEPA filter and indicates when it's time for replacement.

Because JETI AirShowers are delivered in two parts--the all-stainless step-in cubicle at the bottom, and the fan and HEPA filter assembly on top--installation is a lot easier and safer than other air showers that come as a single unit measuring up to three meters or more.

AUTOMATED BOOT AND SHOE CLEANING

JETI AirShowers come with an automatic boot and shoe cleaning system. The system features a bed of 12-mm-wide (0.50 inch) motorized brush strips that move independently from one another in opposite directions for excellent cleaning of boot and shoe soles.

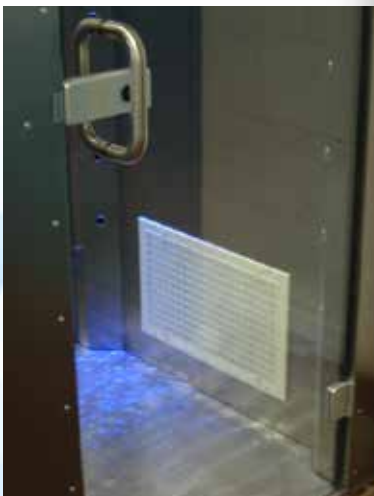
CONTACT US

When you choose JETI AirShowers, you're choosing the best the industry has to offer. We're all about Clean Work Environments. Write or give us a call. We're dedicated to helping make your process cleaner, safer, and more competitive.



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TECHNICAL DATA

Unit width:	1100 mm (43.3 inches)
Ground plate width:	1200 mm (47.2 inches)
Height:	3100 mm (122 inches)
Voltage:	400 V/50 Hz; 460V/60 Hz; Plug-in ready
Body:	304 grade stainless steel (316 also available)
Fan:	1600 Pa; 5000 m ³ /h (176,500 cf/h) flow rate; fork lift required for installation
Nozzles:	7 per corner
Cleaning cycle:	20 second default; adjustable
Electronics:	Siemens
Interior sound level:	78 dBA
Pre-filter:	EU 4
HEPA filter:	EU 13 (99.995% efficient); EU 14 also available (99.999% efficient)
Lighting:	1 X 2W LED (on constantly); 3 X 35W Halogen (on during cleaning)

JETi GmbH offers a wide variety of hygienic products and systems for manufacturing plants of all types, including air showers, door mats, hand hygiene units, automated boot and shoe cleaning systems, wheel cleaning machines, and full after sales service.