

Telstar HEPA filtered air showers are specially designed to remove particulate matter from the clothing of personnel entering and exiting containment areas.

Within the enclosure of the air shower, particles are removed from clothing or materials being transferred by high-speed jets of air.

In order to increase the output and efficiency of the air shower, the airspeed is sufficiently high to remove particles by kinetic action. In addition, an extremely low particle level is achieved by means of filtration before the air enters the chamber.

Design Features

- Module fabricated internally and externally in stainless steel AISI 304.
- Stainless steel doors with double-glass windows and electromagnetic interlocks.
- Electronic programmer to regulate the dwell time within the shower.
- Optical and acoustic electronic alarm to detect attempted passage without performing a cycle.
- EC fans that provide reduced energy consumption (Green Technology).
- Pre-filter positioned for easy access and maintenance.
- HEPA filters positioned in the top of the unit.
- Differential manometer to indicate the level of HEPA filter particulate burden.
- Operation time counter.
- Time clock.
- Doors with perimeter joint around four edges and electromagnetic interlock system.
- Emergency Pushbutton placed in a low level into the shower.
- Floor reinforced with a sheet of stainless steel AISI 304, with step in the entrance and exit.
- Internal LED lighting.

Operating Principle

The shower operates when it detects the access door opening and closing or when it detects the presence of a person or object in the correct position. During operation, the doors are interlocked to prevent personnel exiting the shower before completion of the decontamination cycle.

There is an emergency push-button, which halts operation and opens the doors. For use in highly critical areas it is possible to set the emergency stop system to permit exit in one direction only.



Telstar [®] *HEPA filtered Air Showers*

Technical Data

	HEPA filtered Air Shower
Internal dimensions (width x depth x height)	710 x 790 x 2.110 mm
External Dimensions (width x depth x height)	1.080 x 790 x 2.760 mm
Installed power	6 kW
Power Consumption	3,5 kW
Net weight	265 Kg

Options and accessories

A complete range of configurations, options and accessories enables the Telstar air showers to be adapted to specific customer requirements

- Frame constructed in AISI 304L or AISI 316L stainless steel.
- Qualification Services (DQ, IQ and OQ).
- Available in custom dimensions and configurations to suit space requirements.

Internal detail of the air shower



Internal LED lighting detail



Check for the nearest Telstar office at
<https://www.telstar.com/international/>

Headquarters

Av. Font i Sagué, 55
08227 Terrassa (Spain)

T +34 937 361 600
F +34 937 861 380

www.telstar.com
marketing@telstar.com



ISO 9001: Certified Company

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Telstar reserves the right to improvements and specifications changes without notice.