Air Shower Room, 304 Stainless Steel, 24 m/s Nozzles, H13 HEPA 99.95%, Automatic Clean Room Entry

Model **MSASR-1400DSWISS** | Brand **Master Science**







The Master Science Stainless Steel Air Shower Room sits between a clean area and the ordinary corridor. People and goods step inside, the doors lock, and jets of filtered air blow dust off clothing and surfaces before anyone enters the clean zone.

KEY HIGHLIGHTS

- Keeps dust out of clean areas
- Hands-free cycle
- Adjustable to your site
- Durable, easy-to-clean build

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

Overview

Air is drawn through a G4 primary filter and an H13 HEPA filter rated 99.95% at 0.5 µm, then blasted from adjustable stainless nozzles at 24 m/s or more. A PLC-based controller handles infrared start, voice prompts, door interlock and a shower timer from 0 to 99 seconds. The cabinet is SUS304 stainless steel inside and out.

Inside the clean area, pair the Master Science Stainless Steel Air Shower Room with our vertical laminar flow cabinet for particle-free work surfaces.

The Master Science Stainless Steel Air Shower Room is installed at entrances to controlled areas such as:

Most particles in a clean room arrive on people. The Master Science Stainless Steel Air Shower Room tackles that directly:

Key Benefits

Keeps dust out of clean areas
The Master Science Stainless Steel Air Shower Room strips particles from people and items before they enter.

Hands-free cycle
Infrared sensing starts the shower and the interlock controls the doors automatically.

Adjustable to your site
Set the shower time from 0 to 99 seconds and aim each nozzle.

Durable, easy-to-clean build
Seamless SUS304 stainless steel resists corrosion and wipes clean.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSASR-1400DSWISS
SKU	MSASR-1400DSWISS
Brand	Master Science
Model	MSASR-1400DSWISS
SKU	MSASR-1400DSWISS
Material	SUS304 stainless steel outside and inner cavity, seamless welded
Filter efficiency	99.95% at ≥0.5 μm (sodium flame test)
Nozzle air velocity	≥24 m/s
Nozzle diameter	30 mm
Nozzle type	Embedded, adjustable, SS304 mirror nozzles
Air shower time	0-99 s
Circulating air volume	1500-2000 m³/h
HEPA filter	H13, 600 × 600 × 120 mm
Primary filter	G4, 600 × 400 mm
Fan	Low noise centrifugal fan
Doors	Outward opening, 1.2 mm SS304 square tube frame, glass window above
Control	Microcomputer control, infrared sensing, voice prompts, electronic interlock
Lighting	Ceiling LED purification lamp
Electricity	3N-380 V, 50 Hz
Maximum power	About 2 kW

DIMENSIONS & WEIGHT

External dimensions (W×D×H)	1400 × 1500 × 2100 mm
Internal dimensions	Customizable
Package dimensions (W×D×H)	1750 × 1520 × 2270 mm

CONTAMINATION PROBLEMS THE MASTER SCIENCE STAINLESS STEEL AIR SHOWER ROOM SOLVES	
Dust carried in on clothing	High-velocity filtered air removes loose particles at the door.
Both doors open at once	The electronic interlock allows only one door open at a time.
Inconsistent shower times	The timer runs a fixed cycle for everyone.
Sagging or blown-open doors	Triple hinges and a threshold keep doors aligned and closed.

Applications

- **Pharmaceutical clean rooms**
- **Electronics and semiconductor assembly**
- **Food processing clean zones**
- **Hospital operating and sterile supply areas**
- **Biotech and laboratory clean suites**

Control system

- PLC integrated circuit board with LCD
- Voice prompts and door status indicator
- Double door interlock
- Infrared automatic shower start

Filtration and airflow

- G4 primary plus H13 HEPA two-stage filtration
- Stainless multi-angle nozzles, ≥24 m/s
- Double volute outer-rotor fan with low noise
- Bottom return air for recirculation

Build

- Modular cabinet, can be extended in length
- EVA sealing and noise reduction
- 3 pairs of stainless hinges per door
- Threshold to stop doors blowing open under positive pressure

Standard Accessories Included

- Air shower room with SS304 cabinet
- H13 HEPA filter
- G4 primary filter
- LED purification lamp