

CLEANROOM AIR SHOWER QUESTIONNAIRE



DATE: _____

I. ABOUT YOUR COMPANY

**Fields required to be filled out*

1. NAME*

2. COMPANY*

3. ADDRESS*

4. EMAIL*

5. WEBSITE

6. PHONE NUMBER AND EXTENSION

7. FAX

8. YOU WORK FOR*

(Please Tick)

- End User/Facility Owner
- Cleanroom Builder/Contractor
- Lab Builder/Contractor
- Distributor

9. EXISTING ESCO EQUIPMENT

10. REPEATED ORDER

- Yes, SN: No

II. PROJECT INFORMATION

**Fields required to be filled out*

11. URS Available*

- Yes (please attach document)
- No

12. Industry*

- Pharmaceutical/Biotech
- Micro-electronics
- Semiconductors
- Spray Painting
- Laboratory Animal Research
- Food Markets
- Others, please specify:

13. Name of Project

14. Project Location*

15. Unit/s Required*

16. Deadline of submission for Tender*	<input type="text"/>
17. Timeline for Purchase *	<input type="text"/>
18. Timeline for Installation*	<input type="text"/>
19. Application*	<input type="text"/>
20. No. of users*	<input type="text"/>
21. Level of Need*	<input type="checkbox"/> Have an approved budget (indicate: <input type="text"/>) <input type="checkbox"/> Preparing to submit a budget for approval <input type="checkbox"/> Gathering information for future reference

III. AIR SHOWER SPECIFICATION

*Fields required to be filled out

Note: Please only choose between EAS and EAS-EUS models, whichever is preferred. Both models have same concept, except that EAS-EUS model have bigger dimensions and usually recommended for EU and US.


22. External Width*	<input type="checkbox"/> EAS-A: 1260 mm <input type="checkbox"/> EAS-B: 1530 mm <input type="checkbox"/> EAS-C: 2330 mm <input type="checkbox"/> Custom: <input type="text"/>	<input type="checkbox"/> EUS-A: 1385 mm <input type="checkbox"/> EUS-B: 1655 mm <input type="checkbox"/> EUS-C: 2435 mm <input type="checkbox"/> Custom: <input type="text"/>
23. External Depth*	<input type="checkbox"/> EAS-1: 1000 mm <input type="checkbox"/> EAS-2: 2000 mm <input type="checkbox"/> EAS-3: 3000 mm <input type="checkbox"/> Custom: <input type="text"/>	<input type="checkbox"/> EUS-1: 1040 mm <input type="checkbox"/> EUS-2: 2080 mm <input type="checkbox"/> EUS-3: 3120 mm <input type="checkbox"/> Custom: <input type="text"/>
24. External Height*	<input type="checkbox"/> EAS: 2055 mm <input type="checkbox"/> EAS-EUS: 2205 mm	<input type="checkbox"/> Custom: <input type="text"/>
25. Facility Layout Available*	<input type="checkbox"/> Yes (please attach) <input type="checkbox"/> No <p>* Note: Site Inspection must be carried out by local office to confirm the installation the unit.</p>	

<p>26. Blowing Type*</p>	<p><input type="checkbox"/> A series: Single sided <i>Note: Single-sided blowers require users to turn around when inside for maximum decontamination</i></p> <p><input type="checkbox"/> B & C series: Double sided</p> <p><input type="checkbox"/> Optional (Customized): Three sided (w/ Custom Top Blowing) <i>Note: External height of the airshower subject to change if client opts for a unit with Top Blowing (Three-sided).</i></p>
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<p>27. Persons Per Cycle*</p>	<p><input type="checkbox"/> 1 <input type="checkbox"/> 4-6</p> <p><input type="checkbox"/> 2-3 <input type="checkbox"/> Others: <input style="width: 80px;" type="text"/></p>
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<p>Does the client intend to push in trolley or materials inside the EAS?</p>	<p><input type="checkbox"/> If yes, please specify <input type="checkbox"/> No</p> <p>trolley dimensions (W x D x H): <input style="width: 150px;" type="text"/></p> <p>maximum trolley with material weight: <input style="width: 100px;" type="text"/> kg</p>
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<p>Kindly select one (1) option to facilitate pushing of trolley into the EAS/ EAS-EUS unit.</p>	<p><input type="checkbox"/> Option 1: Unit is to be WITHOUT base to directly push in trolley (Client finished flooring) <input type="radio"/> Yes <input type="radio"/> No</p> <p><input type="checkbox"/> Option 2: Unit is with base and add-on ramps (for unlevelled floors in between room) <input type="radio"/> Yes <input type="radio"/> No</p>
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<p>28. Operating Sequence*</p>	<p><input type="checkbox"/> One-Way</p> <p><input type="checkbox"/> Two-Way One-Way</p> <p><input type="checkbox"/> Two-Way</p> <p style="text-align: right;"><i>For more info, please scan EAS webpage:</i></p> <div style="text-align: right;">  </div>
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DOOR

<p>29. Door Types</p>	<p><input type="checkbox"/> A & B series: Single leaf</p> <p><input type="checkbox"/> C series: Double leaf</p> <p><input type="checkbox"/> Customized Air Tunnel (Doorless): Shower activated by motion sensor</p>
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<p>30. Door Options*</p>	<p><input type="checkbox"/> Self-closing Manual Swing Door (Standard)</p> <p><input type="checkbox"/> Vertical Shutter Door</p> <p><input type="checkbox"/> Auto Swing Door</p> <p><input type="checkbox"/> Auto Sliding Door</p>
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31. Optional Exit Directions*

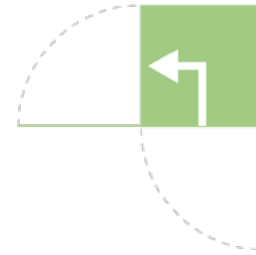
Straight Through (Standard)



L-Shaped

Turn Left

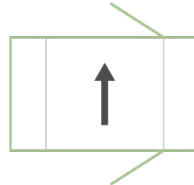
Turn Right



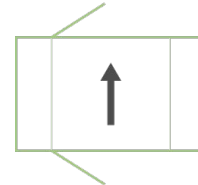
32. Door Direction Options

(Please refer to Option 1 & 2 for C-series)

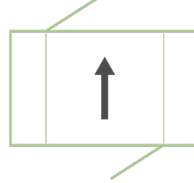
Option 1



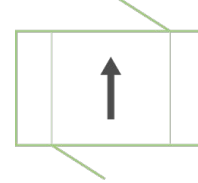
Option 2



Option 3



Option 4



MATERIAL OF CONSTRUCTION

33. External Construction*

A: White powder-coated EG Steel (Standard)

B: Stainless steel 304

C: Stainless steel 316L

34. Internal Construction*

A: White powder-coated EG Steel (Standard)

B: Stainless steel 304

C: Stainless steel 316L

35. Door

A: Aluminium Door (Standard)

B: Custom EG steel Door

C: Others

36. Window

- A: Clear glass (Standard)
- B: Tempered Glass
- C: Others

ELECTRICAL & CONTROLS

37. Lights

- A: Fluorescent (Standard for EAS)
- B: LED (Standard for EAS-EUS with larger dimensions available)

38. Voltage Assembly*

Note: Customer must provide isolator switch on site.

EAS models

- 1: 220-240V, AC, 50Hz, 1Ø
- 2: 110-130V, AC, 60Hz, 1Ø
- 3: 220-240V, AC, 60Hz, 1Ø

EAS-EUS models

- 8: 220-240V, AC, 50/60 Hz, 1Ø
- 9: 110-120V, AC, 50/60 Hz, 1Ø
- Others

39. Controls, Blowers & Filtration System*

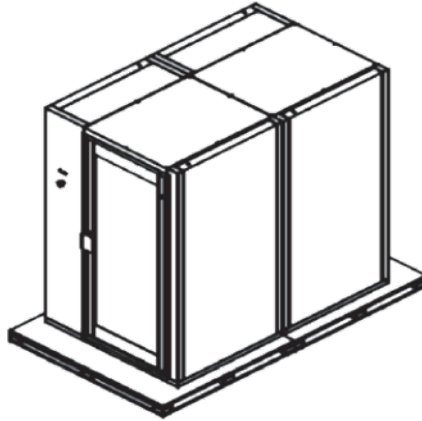
- Option A: (Standard)
Sentinel™ Microprocessor Controller
Light Indicator and Emergency Switches
G3 Disposable Prefilter
HEPA (H14) Main Filter
Stainless steel Nozzles
EBM AC Blower
- Custom:

40. Optional Accessories

- 01: Stainless steel Ramp
- 02: Additional Emergency Stop Button **INSIDE** the chamber
(Standard EAS has E-stop buttons located external to the unit)
- 03: Door release button
Button has to be pressed before the DPB doors can be unlocked and pulled
- 04: Magnehelic Gauge (for analog display of DP across filter)
- 05: Magnehelic Gauge (to measure filter pressure)
Please choose which ONE is required:
 - To measure each filter of EAS
 - Measure of filter in each module
 - Average measure of all filters
- 06: Barriers (for custom Air Tunnel units)

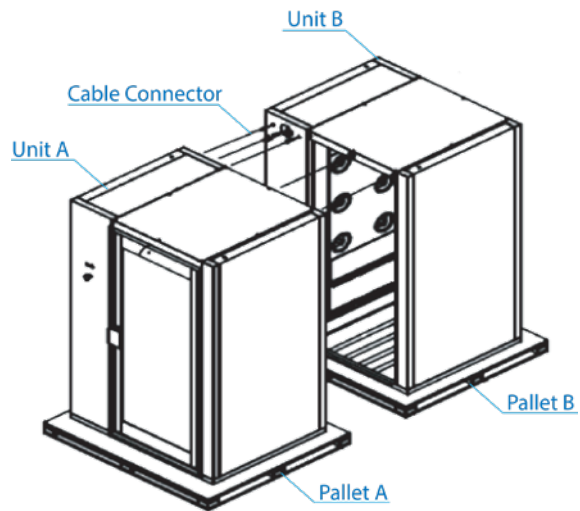
41. Modes of Shipment

Assembled

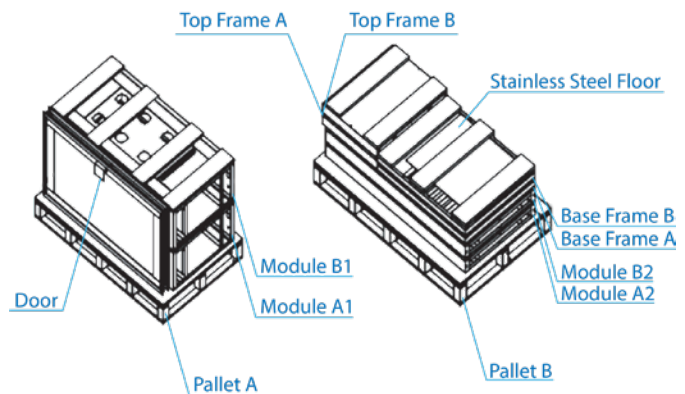


Note: Not applicable for C-series

Module Form



Unassemble



Important: Save the completed PDF form (use menu File - Save).