



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
- 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. PASS BOXES SPECIFICATION

*Fields required to be filled out

22. Types*	<input type="checkbox"/> Static (please proceed to section 4) - WITHOUT Airflow inside the chamber <input type="checkbox"/> Dynamic (please proceed to section 5) - With Airflow (Recirculating) - ISO Class 5 as per ISO14644-1 internal chamber environment - 0.45 m/s ± 20% air velocity <input type="checkbox"/> BioPass (please proceed to section 6) - With onboard ventilation and integrated H ₂ O ₂ -based biodecontamination system - ISO Class 5 as per ISO14644-1 internal chamber environment - 0.45 m/s ± 20% air velocity <input type="checkbox"/> EAS-PB, Air Shower Pass Box (please proceed to section 7) - With Airflow (Recirculating) - 18-30 m/s initial air velocity via air jets and stainless steel nozzles
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Note: Please answer the section based on the chosen pass box type.





23. Material of Construction (MOC)*

Static Pass Box Model

- EPB-A**
 - Powder-coated electrogalvanized steel w/ stainless steel 304 internal base, polycarbonate viewing panel, non-coved corners
 - Mechanical interlock
- EPB-B**
 - Full stainless steel 304, polycarbonate viewing panel, non-coved corners
 - Mechanical interlock
- EPB-S**
 - Full stainless steel 304, 10 mm tempered glass door, all coved internal corners (optional: full stainless steel 316L MOC)
 - Mechanical interlock
 - Standard flanges included for this unit
- SPB**
 - Full stainless steel 304 with interior rounded corners at its base, double 4 mm thick tempered viewing glass window (optional: full stainless steel 316L MOC)
 - Electromagnetic interlock
 - Provided with simple switches and red/green indicator lights to signal door status

24. Internal Dimensions (WxDxH)*

- EPB-A**
 - EPB-A504050 (Internal: 500 x 400 x 500 mm)
 - EPB-A606060 (Internal: 600 x 600 x 600 mm)
- EPB-B**
 - EPB-B504050 (Internal: 500 x 400 x 500 mm)
 - EPB-B606060 (Internal: 600 x 600 x 600 mm)
- EPB-S**
 - EPB-S454645 (Internal: 450 x 460 x 450 mm)
 - EPB-S616161 (Internal: 610 x 610 x 610 mm)
- SPB**
 - SPB-S606060 (Internal: 600 x 600 x 600 mm)
 - SPB-S606075 (Internal: 600 x 600 x 750 mm)
 - SPB-S616161 (Internal: 610 x 610 x 610 mm)
 - SPB-S757575 (Internal: 750 x 750 x 750 mm)
 - SPB-S100100100 (Internal: 1000 x 1000 x 1000 mm)
 - SPB-S150140165 (Internal: 1500 x 1400 x 1650 mm)
 - Custom:

<p>25. Door Opening*</p>	<p><input type="checkbox"/> Straight Through (Standard)</p> <p>Possible Customizations for SPB:</p> <p><input type="checkbox"/> L-shaped</p> <p><input type="checkbox"/> 3-way</p>
<p>26. Door Direction</p> <p><i>(Applicable only for SPB with straight through door opening)</i></p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p><input type="checkbox"/> Door A</p> </div> <div style="text-align: center;">  <p><input type="checkbox"/> Door B</p> </div> <div style="text-align: center;">  <p><input type="checkbox"/> Door C</p> </div> <div style="text-align: center;">  <p><input type="checkbox"/> Door D</p> </div> </div>
<p>27. Optional Accessories*</p>	<p><input type="checkbox"/> 01: Flanges (Set of 2)</p> <p><input type="checkbox"/> 02: UV lamp (only available for units with internal dimensions not less than 600 mm x 600 mm)</p> <p><input type="checkbox"/> 03: Support stand (specify mounting height when ordering)</p> <p><input type="checkbox"/> 04: Lead-shielding: • Position: <input type="text"/> • Thickness: <input type="text"/> mm</p> <p><input type="checkbox"/> 05: Splashproof electrical outlets (Please specify qty. <input type="text"/>)</p> <p>Applicable for SPB models ONLY:</p> <p><input type="checkbox"/> Onboard LED light</p> <p><input type="checkbox"/> Internal shelves (Please specify qty. <input type="text"/>)</p>

V. DYNAMIC PASS BOXES SPECIFICATIONS

**Fields required to be filled out*

<p>28. Types*</p>	<p><input type="checkbox"/> Wall mounted</p> <p><input type="checkbox"/> Floor mounted</p>
<p>29. Material of Construction (MOC)*</p>	<p><input type="checkbox"/> S1: Full SS 304 with interior rounded corners at its base (Standard)</p> <p><input type="checkbox"/> S2: Full SS 316L with interior rounded corners at its base</p> <p><input type="checkbox"/> CMB: Other combinations (Specify: <input type="text"/>)</p>

30. Internal Dimension options (WxDxH)*

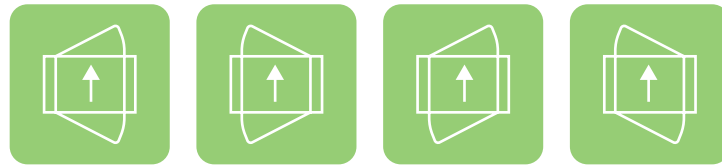
- A: 450 x 450 x 450 mm
- B: 550 x 550 x 550 mm
- C: 600 x 600 x 600 mm
- D: 600 x 600 x 750 mm
- E: 610 x 610 x 610 mm
- F: 750 x 750 x 750 mm
- G: 900 x 900 x 900 mm
- H: 1100 x 1100 x 1800 mm
- I: 1200 x 1500 x 1500 mm
- J: 1400 x 1500 x 1700 mm
- Custom:

31. Door Opening*

- Straight Through
- L shape (Turn Left; Turn Right)
- Three-way

Note: Double-Leaf door designs will ALWAYS have a Straight through door opening

32. Door Direction



- Door A
- Door B
- Door C
- Door D

33. Base*

- With Base
- Without Base (Applicable for floor mounted units ONLY)

34. Lights*

- Onboard LED light
- UV light
- No lighting

35. Voltage Assembly*

AC fan (Open loop w/ simple switches or Sentinel™ control)

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

EC fan (Selection of open or closed loop w/ Sentinel™ control)

- 7: 100VAC, 50/60Hz, 1Ø
- 8: 220-240VAC, 50/60Hz, 1Ø
- 9: 110-130VAC, 50/60Hz, 1Ø

36. Controls, Blowers & Filtration System*

- Option A: (Standard)**
 - Simple switches w/ magnehelic gauge for DP across filter
 - Light Indicator and Emergency Stop Buttons
 - G3 Disposable Prefilter
 - HEPA Main Filter
 - EBM Blower
 - Recirculating Airflow

- Option B:**
 - Sentinel™ Microprocessor Controller
 - Light Indicator and Emergency Stop Buttons
 - G3 Disposable Prefilter
 - HEPA Main Filter
 - EBM Blower
 - Recirculating Airflow

- Option C:**
 - Sentinel™ Microprocessor Controller
 - Light Indicator and Emergency Switches
 - G3 Disposable Prefilter
 - HEPA Main Filter
 - EBM Blower
 - Custom single pass design

37. Optional Accessories*

- Flanges
- Support stands for wall mounted (specify height when ordering)
- Splashproof electrical outlets (Please specify qty.)
- Internal Shelves
- ATEX-rated
 - Atex Rating: (Internal External)
- Rails to hang gowns for floor mounted units
- Door release buttons
 - Button has to be pressed before the DPB doors can be unlocked and pulled open
- Blower fail/Fan fault alarm
 - This will require customization of the unit's blower
- Custom Vertical shutter doors
- Supply collar (for custom single pass units)
- Exhaust collar (for custom single pass units)
- Lead-shielding:
(Indicate location with corresponding lead thickness)
 - Location: - mm
 - Location: - mm
 - Location: - mm

VI. BIOPASS SPECIFICATION

*Fields required to be filled out

38. Internal Dimension options (WxDxH)*

- 1.2 m x 0.9 m x 1.2 m 2 m x 3 m x 2.7 m
 0.9 m x 1.6 m x 1.5 m 3 m x 4 m x 2.7 m
 1.6 m x 1.6 m x 2.5 m 0.7 m x 0.7 m x 0.7 m
 2 m x 2 m x 2.7 m Custom:

39. Material of Construction (MOC)*

- Full Stainless Steel (304 exterior; 316L interior) - Standard
 Full Stainless Steel 316L construction

40. Controls/Filters/ Electrical components*

- Option 1: (Standard)**
 - Siemens HMI/PLC
 - G4 Pre-Filter
 - Inlet filtration: H14 HEPA Filter
 - Exhaust filtration: H14 HEPA Filter
 - LED light
 - Straight through door direction
- Option 2:**
 - Siemens HMI/PLC with 21 CFR Part 11 compliance
 - G4 Pre-Filter
 - Inlet filtration: H14 HEPA Filter
 - Exhaust filtration: H14 HEPA Filter
 - LED light
 - Straight through door direction

41. Voltage*

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

42. Optional Accessories*

- On-Board Catalytic Converter
- Allows Aeration of the System and Operation Without the Need for Site Ducting
- System Will Exhaust Clean Air Back to Grey Side Room Following Aeration
- H₂O₂ sensor/s (Room: ; BioPass chamber:)
- H₂O₂ sensor (0-100 ppm) to ensure the concentration of hydrogen peroxide inside the chamber or room to confirm end of eratio
- Continuous particle monitoring system
 Gas Cycle Development (please specify no. of recipe:)
 Customized carts (please specify external dimensions of the cart in WxDxH: mm)
 Shelves (Please specify quantity:)
 Others:

VII. AIR SHOWER PASS BOX SPECIFICATION

**Fields required to be filled out*

43. Internal Dimension options (WxDxH)*

800 x 500 x 600 mm (Standard)

Custom:

44. External Dimension options (WxDxH)*

1120 x 540 x 1500 mm (Standard)

Custom:

45. Material of Construction (MOC) / Filters / Electrical components*

Option 1: (Standard)

- Powder-coated EG steel w/ stainless steel internal base, polycarbonate viewing panel, non-coved corners
- G3 Disposable Prefilter
- HEPA Main Filter
- EBM Blower
- Recirculating Airflow
- Electromagnetic interlock
- 4 x Stainless steel nozzles

Option 2:

- Full Stainless Steel 304 construction, polycarbonate viewing panel, non-coved corners
- G3 Disposable Prefilter
- HEPA Main Filter
- EBM Blower
- Recirculating Airflow
- Electromagnetic interlock
- 4 x Stainless steel nozzles

Custom:

46. Voltage

220 - 240 V, AC, 50 Hz, 1Ø

Others:

47. Optional Accessories

UV light

Others:

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