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CONTAINED VENTED ENCLOSURE (CVE) ETA483024AAD

TECHNICAL SPECIFICATIONS

CONTAINED VENTED BALANCE ENCLOSURE -ETA483024AAD





GENERAL DESCRIPTION

DESIGNATED USAGE

FSI contained vented enclosures provide personnel and environmental protection but no product protection. These Class I BSCs are commonly used to enclose specific equipment or procedures that potentially generate aerosols. BSCs of this class are either ducted or un-ducted.

PRIMARY ENGINEERING CONTROL (PEC) TYPE

Class I Contained Vented Enclosure.

MAIN CHAMBER CLASSIFICATION

Suitable for OEB Levels 1-3

MODEL SPECIFICATIONS

CONFIGURATION

The ETA series basic setup includes single 4" HEPA Filter and Fan, Blanked Plates on both sides for optional disposal port, and 1.5" knock outs on both sides for cord management.

| EXTERIOR DIMENSIONS | | INTERIOR | INTERIOR DIMENSIONS | | |
|---------------------|--------|----------|---------------------|--|--|
| Length: | 47.75" | Length: | 43.79" | | |

| Length: | 47.75" | Length: | 43.79" |
|---------|--------|---------|--------|
| Depth: | 30.00" | Depth: | 26.55" |
| Height: | 44.31" | Height: | 24.32" |
| | | | |

| MATERIALS OF CONSTRUCTION | Enclosure panels: | Clear 0.375" acrylic front and side panels. White 0.375" acrylic rear panel |
|---------------------------|--|--|
| | Work surface: | Black 1" base that is dished to 0.5" (Phenolic Resin Base), Routed to Fit Sidewalls for Containment |
| | Plenums/Baffle: | White 0.375" acrylic rear plenum. Clear 0.375" upper panel. |
| TECHNICAL SPECIFICATIONS | Fan & filtered ai | er modules are mounted on the top panel of the unit er modules provide HEPA (99.995% at mpps) vertically laminar r ty: Recommended 75 ft/minute average +/-5 when measured at |
| | and high of Fan shrout Impeller It Overall out two order four order | ed balanced galvanized steel fan impeller wheel for low vibration energy efficiency. Id fabricated from fiberglass. Diameter = 9.8" Interpretation of 50-55 dB @ 3 feet at maximum flow. Entire unit affords are of magnitude isolation from adjacent equipment vibration and are of magnitude isolation from fan vibration. Id control unit included to properly set flow rate. |
| | 5A FUSED o LED Light: | -120VAC, 50/60Hz, 1PH, 2.25AMPS, 270 WATTS at maximum flow, |
| | Fan filterIntegratedHospital g | ch on/off button (when applicable) switch on/off d Alarm with Lighted Switch and Audible alarm grade power cord |
| | | knock outs, one on either side of the enclosure to the rear. ste chute port for (optional) Disposal Port |
| | Integrated warns of land | with dry contact feature provided d into top mount fan housing and equipped with red light which low velocity; green light which indicates nominal containment vith proper certification |

| | EVILALIET CONCINCATIONIC |
|---------------------|---|
| | Operating range 60-100 LFPM (0.30-0.50 m/s). Factory recommended face velocity 75 LFPM +/- 5 LFPM (0.38 m/s) With Thimble, (349) Total CFM Required at House Exhaust Connections to Maintain 100 LFPM at the face opening. For recirculating into room, (303) total CFM required to maintain 100 LFPM at Face opening. |
| | EXHAUST RECOMMENDATIONS Use thimble connection (FS2081MS) for House Exhaust connections. No additional equipment required for independent recirculating configuration |
| DESIGN FEATURES | The Contained Vented Enclosure is designed with multiple features for maximum containment, ease of use, and ensuring a stable work environment for sensitive activities: |
| | EXHAUST PORT (1x) 6" exhaust port Capable of being recirculated back into the lab Thimble connection required to connect to house exhaust |
| | FS1650 ALARM • FS1650 Integrated Face Velocity Alarm Alerts the operator when airflow is compromised. |
| PART #: ALL483024NW | OPTIONAL ADDER LED LIGHT KIT Natural cool white light. Comes with a three-way toggle switch that is off/high/low. Amber option available |
| | FRONT LIFT DOORS O Hinged front doors that lift for easy loading and unloading of equipment |
| | AIRFOILS O Quantity: Four (4) (2 side airfoils, 1 base airfoil, 1 door airfoil) Airfoils staged around the perimeter of the face opening stabilize the airflow, improve laminar airflow, and improve containment along the leading edge. |
| | DISHED BASE Dished phenolic base captures accidental liquid and powder spills. |
| | Waste Port Waste port can be placed on either and/or both sides of the enclosure and is used to safely remove waste. |
| | PLENUMS Rear and Top Plenums are used to direct airflow and maintain containment at the face opening. Plenums also prevent particles from possibly falling back onto the work surface during loss of power. |

| | BAG OUT O HEPA change out system that allows for safe removal and replacement of the main 4" HEPA filter. |
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| PART #: 4145 | REPLACEMENT FILTER |
| PART #: 4720A-18X36 | REPLACEMENT FAN Top mount fan filter housing with integrated alarm. |
| PART #: 2070 | Waste Chute (PORT) O Waste chute with retaining band and bag. |
| PART #: 2079 | DOUBLE SAFE WASTE CHUTE ○ Waste chute with double sleeve protection, retaining band and bag. |
| PART #: 2081MS | THIMBLE CONNECTION, 6" TO 7" TRANSITION Thimble for connection to house exhaust. |
| PART #: 2062VK | VENT KIT, (8') 6" HOSE AND (2) HOSE CLAMP O Hose and Clamp for connection to house exhaust. |
| PART #: 2077 | PRINTER SHELF — NO ALARM MOUNT |
| PART #: AFC183608A_(A/B) | CARBON FILTER 18x36- ORGANIC O Powder coated carbon steel frame containing 14 ABS plastic canisters with coconut shell activated charcoal media. |
| PART #: AFC183608B_(A/B) | CARBON FILTER 18x36 - ACID Powder coated carbon steel frame containing 14 ABS plastic canisters with impregnated coconut shell activated charcoal media. |
| PART #: AFC183608C_(A/B) | CARBON FILTER 18x36-AMINE O Powder coated carbon steel frame containing 14 ABS plastic canisters with impregnated coconut shell activated charcoal media. |
| PART #: AFC183608D_(A/B) | CARBON FILTER 18x36 - ALDEHYDE O Powder coated carbon steel frame containing 14 ABS plastic canisters with impregnated coconut shell activated charcoal media. |
| PART #: AEC4830S | ADA, 48 x30, ELECTRIC POWDER COATED TABLE • Electric Ergonomic Lift Table, Powder coated carbon steel, on frame and feet, locking casters. |
| PART #: AES4830S | ADA, 48 x30, STAINLESS STEEL ERGONOMIC LIFT TABLE • Electric Ergonomic Lift Table, 304 Stainless Steel, on frame and feet, locking casters. |
| PART #: ACC4830S | ADA, 48 x30, Powder Coated Steel Cart o Powder coated carbon steel cart, on frame and feet, locking casters. |

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| PART #: ACS4830S | ADA, 48 x30, Stainless Steel Cart |
|----------------------------|---|
| | 304 Stainless steel cart, on frame and feet, locking casters. |
| PART #: ATC4830S | POWDER COATED STEEL, 48x30 TABLE |
| | o Powder coated steel table. |
| PART #: ATS4830S | STAINLESS STEEL, 48x30, TABLE |
| | 304 Stainless steel table, on frame and feet, locking casters. |
| Installation | Flow Sciences is delighted to offer you Installation services to ensure the complete |
| | start-up of your Contained Vented Enclosure. |
| INSTALLATION, START-UP AND | INSTALLATION (at an additional charge) |
| Training | Flow Sciences will send One (1) Technician onsite to install equipment within your |
| | facility. Flow Sciences may require additional assistance on site. If additional |
| | assistance is required, Flow Sciences will request your assistance or provide additional technicians from Flow Sciences (at an additional charge) if no client staff is available. |
| | START-UP AND TRAINING (at an additional charge) |
| | One (1) Flow Sciences technician will demonstrate the usage of the equipment and train your personnel on the usage of the equipment after the installation is complete. Flow Sciences will provide an operating manual which will include the as built drawings and all the materials certificates. |
| | ***Please note that proposal amount for Installation, Start-up and Training is for 1 |
| | days of work for one technician. Should the labour exceed this time frame, and |
| | hourly labour rate will apply. |
| | Surrogate Powder Tests (at an additional charge) |
| | Surrogate powder testing available during factory acceptance testing. |
| | IQOQ – Installation Operation Qualification (at an additional charge) |